

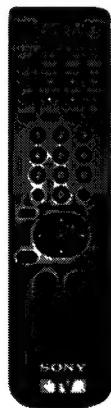
SERVICE MANUAL

AA-2D CHASSIS

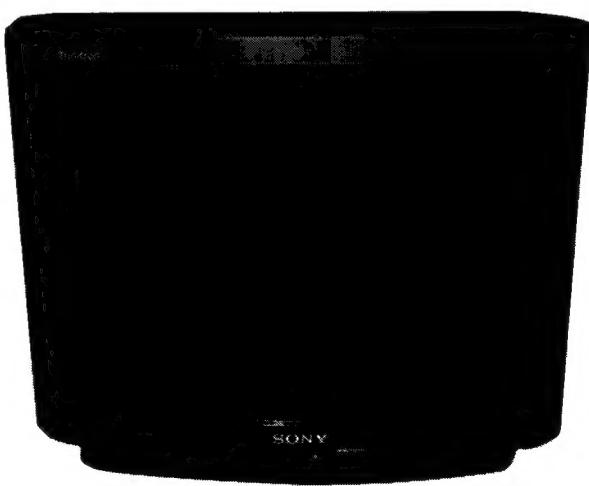
<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST.</u>	<u>CHASSIS NO.</u>
KV-27V22	RM-Y135A	US	SCC-K96R-A
KV-27V22	RM-Y135A	CND	SCC-K97N-A
KV-29V22T	RM-Y135A	TAIWAN	SCC-N28C-A
KV-29V36K	RM-Y149A	KOREAN	SCC-N37B-A
KV-29V76T	RM-Y137A	TAIWAN	SCC-N28D-A
KV-34V36K	RM-Y149A	KOREAN	SCC-N37C-A
KV-37V36T	RM-Y137A	TAIWAN	SCC-N28F-A

Note: Adjustment Manual for this model is published separately

	Adjustment Manual
Part No.	9-965-829-01



RM-Y137A



KV-37V36T



TRINITRON® COLOR TV
SONY®

SAFETY CHECK-OUT (US Model only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC Leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampere). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63Trd are examples of passive VOMs that are suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

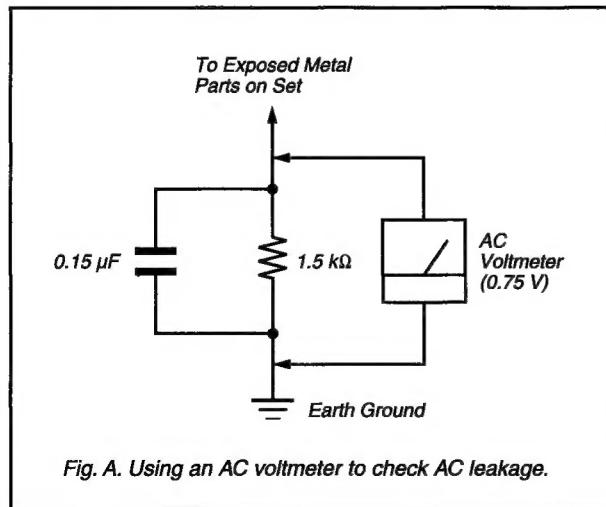


Fig. A. Using an AC voltmeter to check AC leakage.

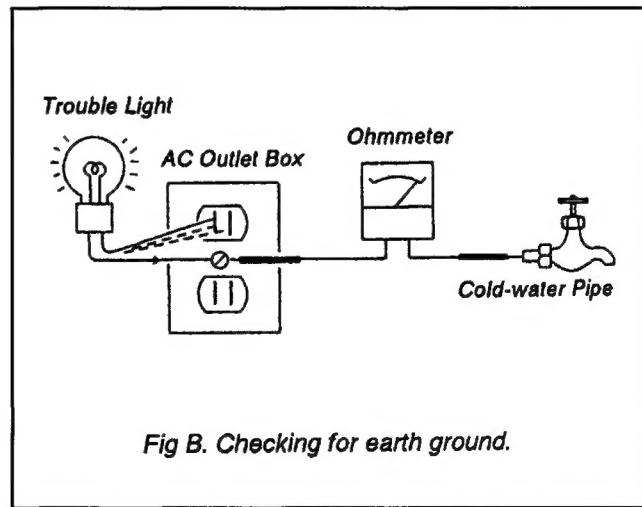


Fig. B. Checking for earth ground.

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>	<u>Section</u>	<u>Title</u>	<u>Page</u>
1. GENERAL					
Welcome!		5	2-4.	Control Switch Removal (KV-29V36K/29V76T/34V36K/37V36T)	13
Connecting and Installing the TV		5	2-5-1.	Picture Tube Removal (KV-27V22/29V22T/29V36K/29V76T)	14
Connector Types		5	2-5-2.	Picture Tube Removal (KV-34V36K)	14
Making Connections		5	2-5-3.	Picture Tube Removal (KV-37V36T)	15
Installing the glass door		7	3. SAFETY RELATED ADJUSTMENTS		16
Adjusting the shelf		7			
Basic Set up		7	4. DIAGRAMS		
Inserting Batteries		7	4-1.	Block Diagram	19
Using the remote control>Select buttons		7	4-2.	Circuit Boards Location	27
Adjusting slides		7	4-3.	Printed Wiring Boards and Schematic Diagrams	27
On Line Help/Instructions		7	• P Board (except KV-27V22/29V22T)	28	
Using your New TV		8	• SC Board (except KV-27V22/29V22T)	31	
Setting up the TV automatically		8	• A Board	32	
Watching the TV		8	• UV Board	41	
Watching two programs at one time - PIP		8	• WA Board (KV-37V36T)	46	
Adjusting your SET UP (menus)		9	• HV Board	49	
Learning menu selection		9	• WB Board (KV-29V36K/29V76T/34V36K)	52	
Using the VIDEO menu		9	• C Board	53	
Using the AUDIO menu		9	• G Board	55	
Using the TIMER menu		10	• AV Board (except KV-27V22/29V22T)	57	
Using the SET UP menu		10	• HS Board (KV-34V36K/37V36T)	57	
Operating Video Equipment		10	• K Board (KV-29V36K/29V76T/34V36K)	59	
Setting the manufacturer's code		10	4-4.	Semiconductors	61
VCR manufacturer code numbers		10			
MDP manufacturer code numbers		10	5. EXPLODED VIEWS		
Operating a cable box DBS receiver		11	5-1.	Chassis (KV-27V22/29V22T/29V36K/29V76T/34V36K)	63
Troubleshooting		11	5-2.	Picture Tube (KV-27V22/29V22T/29V36K/29V76T)	64
		11	5-3.	Picture Tube (KV-34V36K)	65
		12	5-4.	Chassis (KV-37V36T)	66
2. DISASSEMBLY		12	5-5.	Picture Tube (KV-37V36T)	67
2-1-1. Rear Cover and Speaker Removal (except KV-37V36T)		13	6. ELECTRICAL PARTS LIST		68
2-1-2. Rear Cover and Speaker Removal (KV-37V36T)					
2-2. Chassis Assy Removal					
2-3. Service Position					

CAUTION!

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINT SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE. LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES remplacer que par des composants SONY dont le numero de piece est indique dans le present manuel ou dans des supplements publies par SONY. LES REGLAGES DE CIRCUIT dont l'importance est critique pour la securite du fonctionnement sont identifiees dans le present manuel. suivre ces procedures lors de chaque remplacement de composants critiques, ou lorsqu'un mauvais fonctionnement suspecte.

Welcome!
The instructions mentioned here are partial abstracts from the Operating Instruction Manual.
The page numbers shown reflect those of the Operating Instruction Manual.

SECTION 1 GENERAL

Using This Manual

This manual is divided into four major sections. We recommend that you carefully review the contents of each section in the order provided to ensure that you fully understand the operation of your new TV.

1 Connecting and Installing the TV.

This section will guide you through your initial set up. It will show you how to connect your new components, connect to any antenna or cable, and connect any accessories.

2 Basic Set Up.

This section will teach you the basic skills needed to operate your new TV. It will show you how to operate special functions on the remote control.

3 Using your New TV.

This section will show you how to begin using your new TV. It will show you how to use the AUTO SET/UP feature, and how to use your remote control's features.

4 Adjusting your Set Up (menus).

This section will teach you how to access on-screen menus and adjust your TV's settings.

Instructions in this manual are written for the remote control. Similar controls may be found on the TV console.

Connecting and Installing the TV

Connector Types

You may find it necessary to use some of the following connector types during set up.

Coaxial Cable

Standard TV Cable and Antenna connector

Plug Type

Press onto connection

Screw-on Type

Screw onto connection

S Video Cable

High quality Video connector for enhanced picture quality

Audio/Video Cable

Conventional Audio/Video cable

Press onto connection

Yellow - Video

Align guides and press onto connection.

Red - Audio (Left)

Press onto connection

White - Audio (Right)

Press onto connection

S-Link Cable

Sony Link connector (only available on Sony products) for simultaneous control of your components

Press onto connection

2

Precautions

Safety

Operate the TV only on 120 V AC (except KV-29RS26C, 29V36C, 34RS26C, 34V36C).

Operate the TV only on 220 V AC (KV-29RS26C, 29V36C, 34RS26C, 34V36C only).

The plug is designed, for safety purposes, to fit in the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer (except KV-27526C, 29V36C, 34RS26C, 34V36C).

If any liquid or solid object should fall inside the cabinet, unplug the TV immediately and have it checked by qualified personnel before operating it further.

If you will not be using the TV for several days, disconnect power by pulling the plug itself. Never pull on the cord.

For details concerning safety precautions, see the supplied leaflet "IMPORTANT SAFEGUARDS".

Installing

To prevent internal heat build-up, do not block the ventilation openings.

Do not install the TV in a hot or humid place, or in a place subject to excessive dust or mechanical vibration.

Welcome!

Thank you for purchasing the Sony Trinitron® Color TV. This manual is written for the model listed below. Before reading, check the model number on the rear of your TV.

Model KV-27526 is used for illustration purposes. The screens displayed are for model KV-3536. Differences in operation features are indicated in the text for example, KV-27526

only. In the text for example, KV-27526

Connecting and Installing the TV (continued)

Making Connections

For best picture quality, a cable TV system or outdoor antenna is recommended.

Connecting directly to cable or an antenna

TO CONVERTER

Standard TV Cable and Antenna connector

Antenna cable

Press onto connection

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

75-ohm coaxial cable (not supplied)

(Rear of TV) AUX

CATV cable

(unscrambled channels)

VHF/UHF

(scrambled channels)

TO CONVERTER

Standard TV Cable and Antenna connector

Antenna cable

Press onto connection

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

75-ohm coaxial cable (not supplied)

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

(Rear of TV) VHF/UHF

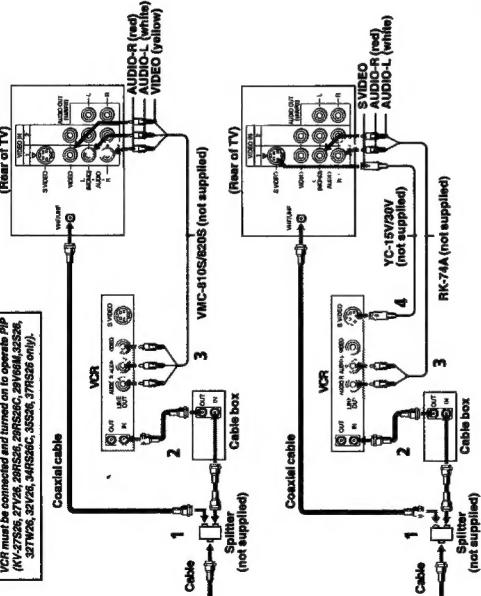
Antenna connector

300-ohm twin lead cable

75-ohm coaxial cable

■■■ Connecting and Installing the TV (continued)

Disconnect all power sources before making any connections.



Connecting a VCR and TV with a cable box

- 1 Connect the single (input) jack of the Splitter to your incoming cable connection, and connect the other two (output) jacks (using coaxial cable) to IN on your cable box and VHF/UHF on your TV.
- 2 Using a coaxial connector, connect OUT on your cable box to IN on your VCR.
- 3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your VCR to AUDIO and VIDEO IN on your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

Connecting to an S Video equipped VCR with a cable box (for optimum picture quality)

- 1 2 Perform as described above.
- 3 Using AUDIO connectors, connect AUDIO OUT on your VCR to AUDIO IN on your TV (White-AUDIO Left, Red-AUDIO Right).
- 4 Using an S VIDEO connector, connect S VIDEO on your VCR to S VIDEO on your TV.
- 5 Note: To view scrambled channels through your cable box, select VIDEO 1 by pressing TV / VIDEO on the remote control.

Disconnect all power sources before making any connections.

Connecting a DBS (Direct Broadcast Satellite) receiver

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF on your TV.
- 3 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your TV.

Connecting a DBS (Direct Broadcast Satellite) receiver and a VCR

- 1 Connect the cable from your satellite antenna to your DBS receiver.
- 2 Attach the coaxial connector from your cable or antenna to VHF/UHF IN on your VCR.
- 3 Using a coaxial connector, connect VHF/UHF OUT on your VCR to VHF/UHF on your TV.
- 4 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO OUT on your DBS receiver to AUDIO and VIDEO IN on your VCR.
- 5 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your VCR to AUDIO and VIDEO OUT on your TV.
- 6 Note: To view input from the DBS or VCR, select VIDEO by pressing TV / VIDEO on the remote control.

Disconnect all power sources before making any connections.

Connecting two VCRs for tape editing using MONITOR OUT

For KV-27V26, 29V36, 29V65M, 29V76M, 32V36, 32V36S, 34V36, 34V36S, 35V76, 37V36 only

MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

- 1 Connect the VCR intended for playback using the setup instructions on page 4 of this manual.
- 2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

Notes:

- Do not change the input signal while editing through MONITOR OUT.
- When connecting a single VCR to the TV; if VCR LINE OUT is connected to TV VIDEO IN, do not connect the TV MONITOR OUT jacks to the VCR LINE INPUT (see right). Doing so will cause program interference and other viewing problems.

8

Disconnect all power sources before making any connections.

Connecting an audio system

For greater viewing pleasure, integrate your home stereo into the system.

- 1 Using AUDIO connectors, connect AUDIO OUT on your TV to one of the unused Line inputs (e.g. Tape-2, etc.) on your stereo (White-AUDIO Left, Red-AUDIO Right).
- 2 Set your stereo to the chosen Line input and refer to page 20 of this manual for additional audio setup instructions.

Disconnect all power sources before making any connections.

Connecting an AV receiver

For greater viewing pleasure, connect your AV receiver.

- 1 Using AUDIO/VIDEO connectors, connect VIDEO 1 IN on your TV to Monitor AUDIO and VIDEO OUT on your AV receiver.
- 2 Using AUDIO/VIDEO connectors, connect TV OUT on your TV to TV AUDIO and VIDEO IN on your AV receiver.

You may want to use CHANNEL FIX to fix your TV's input to the AV receiver (VIDEO 1). See CHANNEL FIX, page 22.

Disconnect all power sources before making any connections.

Connecting and Installing the TV (continued)

Disconnect all power sources before making any connections.

Connecting two VCRs for tape editing using MONITOR OUT

For KV-27V26, 29V36, 29V65M, 29V76M, 32V36, 32V36S, 34V36, 34V36S, 35V76, 37V36 only

MONITOR OUT gives you the ability to use a second VCR to record a program being played by the primary VCR or to perform tape editing and dubbing.

- 1 Connect the VCR intended for playback using the setup instructions on page 4 of this manual.
- 2 Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your VCR intended for recording to MONITOR AUDIO and VIDEO OUT on your TV.

Notes:

- Do not change the input signal while editing through MONITOR OUT.
- When connecting a single VCR to the TV; if VCR LINE OUT is connected to TV VIDEO IN, do not connect the TV MONITOR OUT jacks to the VCR LINE INPUT (see right). Doing so will cause program interference and other viewing problems.

7

■■■ Connecting and Installing the TV (continued)

Using the S-Link function

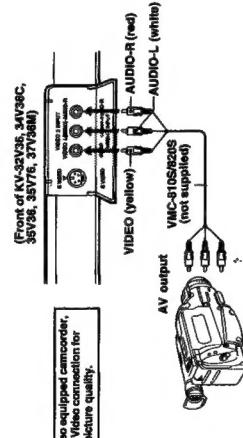
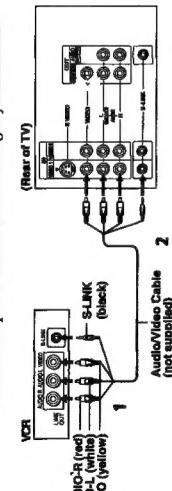
- KV-27V22, 27V26, 29V26, 29V76, 34V26, 34V76, 36V26, 36V76, 37V26, 37V76, S-Link only
- S-Link is a Sony innovation, designed to make your Sony components work together. It allows you to automatically switch the TV's input mode to video when you press S-Link on your Sony S-Link S-VHS or VCR. It also allows you to turn the VCR and TV off at the same time with the SYSTEM OFF button.
- 1 Connect your VCR using the setup instructions on page 4 of this manual.
- 2 Using an S-Link connector, connect the S-Link jacks on your VCR and TV. Ensure that both ends are seated firmly and that the TV S-Link connector is in the same row as the AUDIO/VIDEO connectors.

Connecting a camcorder

- KV-27V22, 27V26, 29V26, 29V76, 34V26, 34V76, 36V26, 36V76, 37V26, 37V76, S-Link only
- This connection is convenient for viewing a picture directly from your camcorder.
- Using AUDIO/VIDEO connectors, connect AUDIO and VIDEO IN on your camcorder to AUDIO and VIDEO OUT on the front panel of your TV (Yellow-VIDEO, White-AUDIO Left, Red-AUDIO Right).

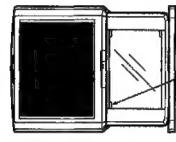
Note:
• If you are connecting a monaural camcorder, connect only the single audio output to the left input on your TV.

Disconnect all power sources before making any connections.



KV-32TW26 and KV-35V76 only

Follow these instructions to install the glass door and adjust the shelf.



Push here to close.
To open, push again.

Parts List	
A	Bottom hinge
B	Top hinge
C	Screw 4x4
D	Plate pad
E	Plate
F	Metal pin

10

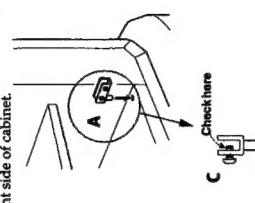
9

■■■ Basic Set up

Note:
• Confirm that all parts are included before beginning assembly. If any parts are missing, contact your dealer.

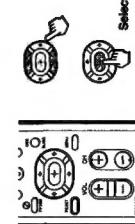
Installing the glass door

- 1 Check that the projection of the screw through the bottom hinge **A** does not interfere with the proper installation of the hinge to the glass door, and then insert the hinge into the hole located at the bottom right side of cabinet.



Using the remote control

- 1 Using the remote control
- 2 Select buttons



On Line Help/Instructions

Several menu windows will provide prompts and instructions to assist you in navigating through the different functions. When present, use these to supplement the instructions in this manual.

- 1 The supplied remote control has select buttons which allow for movement of the on-screen selector in four directions. Pressing on the edge of the select buttons will cause the selector to move in the selected direction. Pressing the center of the select buttons "Select" will activate the selected item.

Adjusting sliders

When menu items present a slider (— or —), use the select buttons (↑ or ↓) to adjust the setting.

Using your New TV (continued)

Setting up the TV automatically

The EASY SETUP GUIDE feature will allow you to set the on-screen language and set all receivable channels. The EASY SETUP GUIDE screen will appear every time you turn on the TV until you perform AUTO PROGRAM.

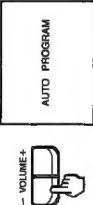
The EASY SETUP GUIDE feature does not apply for installations that use a cable box for all channel selection.

To set up the TV manually, refer to "Using the SET UP menu" on page 22.



After using EASY SETUP GUIDE, you will have the option of changing any of the system settings. Re-entering the menu through the SET UP menu (page 22).

The TV must be set to "Input to execute AUTO PROGRAM. Press ANT until the channel disappears. If your cable or antenna is connected to a A/DX, then press ANT until "AUX" appears next to the channel number. KV-27V26, 27V36, 29V36C, 29V76M, 32V56, 32V76, 34V36C, 35V56, 35V76, 37V36M only)



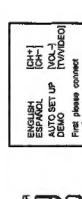
Using the buttons on the front of the TV:



For KV-27V26, 29V36C, 29V76 and 37V36M, the control buttons are located on the top of the TV.

1 Press POWER to turn on the TV.

The EASY SETUP GUIDE screen appears.



2 (Except Canadian models)

Press CHANNEL + to select English screens or CHANNEL - to select Spanish screens.



Note:

- When you perform AUTO PROGRAM, your CHANNEL FIX, TIMER, and CHANNEL BLOCK settings will be erased.

14

Watching the TV

All of the TV features can be accessed via the remote control. The following chart will explain the function of the buttons found on your remote control.

REFER TO THE ILLUSTRATION ON THE INSIDE FRONT COVER OF THIS MANUAL AS YOU REVIEW THIS CHART

	TV (FUNCTION)	Activates the remote control for use with the TV.
	TV POWER	Turns the TV on and off. If "VIDEO" appears on the screen, press TV/VIDEO or ANT so that a channel number appears.
	① (②)	Use for direct channel selection. Press 0-9, press 10, press 1 and 0, the channel will change after 2 seconds, or you can press ENTER for immediate selection.
	CH +/-	Press to scan through the channels (+ up or - down).
	VOL +/-	Press to adjust the volume (+ up or - down).
	JUMP	Press to alternate or jump back and forth between two channels. You can only jump between the last two channels that have been selected with the 0-9 keys.
	MUTING	Press to mute the sound ("MUTING" will appear on the screen). Press again or press VOL + to restore sound.
	FREEZE	Press to freeze the window picture while in PIP mode. If you are not in PIP mode, pressing FREEZE will cause the main picture to freeze into a window picture. Great for copying down phone numbers, addresses, recipes, etc.

15

Using your New TV (continued)



CAPTION VISION

DISPLAY

XDS

KDS

TV/VIDEO

ANT

SYSTEM OFF

MTS/GUIDE

SLEEP

Press repeatedly until the TV displays the approximate time in minutes (30, 60, 90) that you want the TV to remain off before shutting off automatically. Cancel by pressing until "SLEEP OFF" appears.

DISPLAY

Press repeatedly to step through available displays:

Status

Channel number, current time, channel caption (if set), and MTS mode (if SAP is selected) are displayed. SAP indication disappears after three seconds.

XDS

Extended Data Service shows a network name, program name, program type, program length, call letters, and time of the show if the broadcaster offers this service.

Caption Vision

Caption Vision will be displayed on the screen if the broadcaster offers this service. (see right)

To cancel the display, press DISPLAY repeatedly until "DISPLAY OFF" appears. DISPLAY OFF disappears after three seconds.

TV/VIDEO

Press repeatedly to step through available video inputs:

TV, Video 1 and Video 2 (KV-27V26, 27V36, 29RS28C, 32S26, 32S36, 32V126, 34RS26, 35S26, 37RS26 only)

TV, Video 1, Video 2 and Video 3 (KV-27V26, 27V36, 29V36C, 29V66M, 28V76M, 32V76, 34V36C, 35V36, 35V76, 37V36M only)

Press to change the VHF/UHF input to the AUX input (KV-27V26, 27V36, 20V48C, 20V58C, 20V76M, 32S26, 32V36, 34V36C, 35V36, 35V76, 37V36M only)

ANT

Press to turn off the TV and all other equipment connected with S-Link and return the TV input to either antenna or AUX, whichever was last used.

SYSTEM OFF

Press this button to cycle through the Multi-channel TV Sound (MTS) options. (page 20)

MTS/GUIDE

You must press TV (FUNCTION) before you can control PIP with the yellow labeled buttons.

Watching two programs at one time — PIP

The Picture-in-Picture (PIP) feature allows you to view two channels simultaneously, one in the full size "main" picture and one in a smaller "window" picture. This means that two separate timers must be available to provide the two signals.

Certain models (KV-27S26, 27V26, 29RS26, 29RS26C, 29V66M, 32V76, 34RS26, 35S26, 37RS26 only) are equipped with a single tuner. This simply means that a VCR must be connected and turned on for PIP to operate.

Tip

To ensure a correct single tuner PIP connection KV-27V26, 27V36, 29RS26C, 29V66M, 32V76, 34RS26, 35S26, 37RS26 only, make sure the following list of connections is complete before using PIP:

- A cable or antenna is connected to the VCR
- The VCR is connected to your TV
- The VCR is turned on

Note:

- Poor reception of TV programs can cause errors in Caption Vision and XDS. Captions may appear with a white box or other errors instead of intended text.
- XDS, Caption Vision, and the status display cannot be used at the same time.

PIP

Press once to display the window picture (1/16 size). Press again to reduce the size of the window picture. Press a third time to remove the window picture.

TV/VIDEO

Press repeatedly to step through available video inputs:

TV, Video 1, Video 2, and Video 3 (KV-27V26, 27V36, 29V36C, 29V66M, 28V76M, 32V76, 34V36C, 35V36, 35V76, 37V36M only)

If you use one of the connections from page 5, your PIP input source is a VCR or cable box.

AUDIO

Press to alternate sound between the main picture and the window picture. A will appear for a few seconds to indicate which picture is receiving sound.

15

16

■■■ Adjusting your SET UP (menus)

Learning menu selection

Use the MENU button to access a menu and use the Select buttons to alter settings. Use the following example to learn how to modify settings.

1 Press the MENU button.

The main menu appears.



2 Press the select buttons (♦ or ♦) to highlight the desired menu and press (±) to activate it.



18

■■■ Adjusting your SET UP (menus) (continued)

Using the AUDIO menu

Use the MENU button to access a menu and use the Select buttons to alter settings. Use the following example to learn how to modify settings.

1 Press the MENU button.



2 Press the select buttons (♦ or ♦) to highlight the desired menu and press (±) to activate it.



17

■■■ Using the VIDEO menu

Using the VIDEO menu



For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

To select the VIDEO menu:



To restore the factory settings
Press RESET on the remote control while the VIDEO menu is displayed.

VIDEO OUT
Easy control of volume adjustments

■■■ Using the VIDEO menu for Operations

TW/FR
+ CH -
Press to change the TV channel in the window picture (+ to increase the channel number and - to decrease).
For models KV-27S26, 27V26, 28FS26, 28FS26C, 34RS26, 34RS26C, 35S26, and 37RS26, if you are watching the video input in the window picture, you must press VTR (FUNCTION), then use the main CH +/- buttons to change channels.

POSITION
Press to move the location of the window picture (counter-clockwise) around the main picture.

FREEZE
Press to freeze the window picture. Great for copying down phone numbers, addresses, recipes, etc.
If a window picture is displayed, then it will be frozen. If only the main picture is displayed, then it will be frozen and displayed as a window picture.
Press FREEZE again to restore the previous screen(s).

SWAP
Press to switch the audio and video of the main picture and the window picture. Each time you press SWAP, the picture and sound of the two will be SWAPPED.
The channels being received through the AUX Jack cannot be displayed as a window picture (KV-27S26, 27V36, 28V36C, 29V76M, 32S36, 32V36, 34V36C, 35S36, 35V36, 37V36M only).

■■■ Adjusting your SET UP (menus) (continued)

Using the AUDIO menu

Use the MENU button to access a menu and use the Select buttons to alter settings. Use the following example to learn how to modify settings.

1 Press the MENU button.



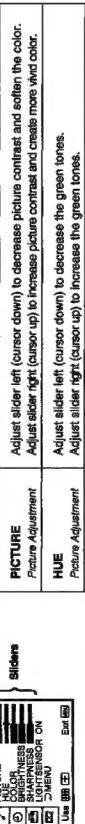
2 Press the select buttons (♦ or ♦) to highlight the desired menu and press (±) to activate it.



16

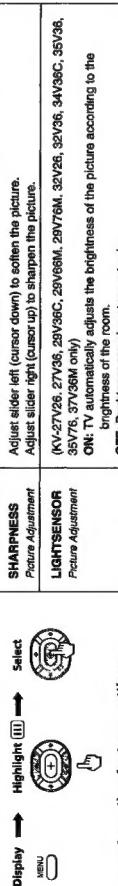
■■■ Using the VIDEO menu

Using the VIDEO menu



For detailed information on using the remote to modify menu settings, refer to "Learning menu selection" on page 18.

To select the VIDEO menu:



To restore the factory settings
Press RESET on the remote control while the VIDEO menu is displayed.

VIDEO OUT
Easy control of volume adjustments

■■■ Adjusting your SET UP (menus)

Learning menu selection

Use the MENU button to access a menu and use the Select buttons to alter settings. Use the following example to learn how to modify settings.

1 Press the MENU button.



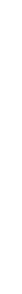
2 Press the select buttons (♦ or ♦) to select the desired option.



3 Press the select buttons (♦ or ♦) to select the desired option.



4 Press (±). Options for your selection will be displayed.



5 Make your selection and press (±) to activate it.

The previous screen will reappear.

Operating a VCR remote control	
702	702
706	To turn on or off
705	Press VTR (POWER).
703, 708	To select a channel directly
	Press the 0 – 9 buttons.
	Press CH +/-.
	To change channels
	To record
	Press REC .
	Press ► while pressing REC .
	First release ► , then release REC .
	To play
	Press ► .
	To stop
	Press ■ .
	To fast forward
	Press ►► .
	To rewind the tape
	Press ◀◀ .
	To pause
	Press II .
8 mm VCR	302
Beta, ED Beta VCRs	303
	What you must do is to remove the batteries, the codenumber may revert to the factory setting.
VHS VCR	301 (preset code for the supplied remote control)
	301 (preset code for the supplied remote control)

Buttons on the remote control	
To turn on or off	Press VTR (POWER).
To play	Press the 0 – 9 buttons.
To stop	Press II .
To search the picture forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.
To search the chapter forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.
To search the picture forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.
To change input mode	Press TV/VTR.

25

26

Operating a cable box or DBS receiver

Buttons on the remote control	
To turn on or off	Press VTR (POWER).
To play	Press the 0 – 9 buttons.
To stop	Press II .
To search the picture forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.
To search the chapter forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.
To search the picture forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.

Buttons on the remote control	
To turn on or off	Press VTR (POWER).
To play	Press the 0 – 9 buttons.
To stop	Press II .
To search the picture forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.
To search the chapter forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.
To search the picture forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.

26

Buttons on the remote control	
To turn on or off	Press VTR (POWER).
To play	Press the 0 – 9 buttons.
To stop	Press II .
To search the picture forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.
To search the chapter forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.
To search the picture forward or backward	Keep pressing ►► or ◀◀ during playback.
To resume normal playback, release the button.	To resume normal playback, release the button.

Troubleshooting

Troubleshooting

- Poor or no picture (screen lit), good sound**
 - Adjust PICTURE in the VIDEO menu. (page 19)
 - Adjust BRIGHTNESS in the VIDEO menu. (page 19)
 - Check that cable is connected to the VCR, and the VCR is turned on.
 - Check that the VCR is connected to the TV.
 - Make sure the power cord is plugged in.
 - Operate with the buttons on the TV and the remote control.
 - Insert the batteries in the remote control with the correct polarity.
 - Replace the batteries with new ones if they are weak.
 - Check to see if the TV/VIDEO setting is correct: when watching TV, set to TV, and when watching video tapes, set to VIDEO1, 2, or 3.
 - Try another channel. It could be station trouble.
 - Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13)
- No color**
 - Adjust the COLOR in the VIDEO menu. (page 19)

- Black and white programs cannot be seen in color.**
 - Perform AUTO SET UP again using the SET UP button to return to the factory preset condition. (page 13)
- Only snow and noise appear on the screen**
 - Check the CABLE setting in the SET UP menu. (page 22)
 - Check the antenna/cable connections.
 - Make sure the channel is broadcasting programs.
 - Press ANT to change the input mode. (page 15)
- Dotted lines or stripes**
 - Adjust the antenna.
 - Move the TV away from noise sources such as cars, neon signs, or hair-dryers.
- Double images or ghosts**
 - Use a highly directional outdoor antenna or a cable (when the problem is caused by reflections from nearby mountains or tall buildings).
- Cannot operate menu**
 - If the item you want to choose appears in gray, you cannot select it. Press TV/VIDEO correctly.

Troubleshooting (continued)

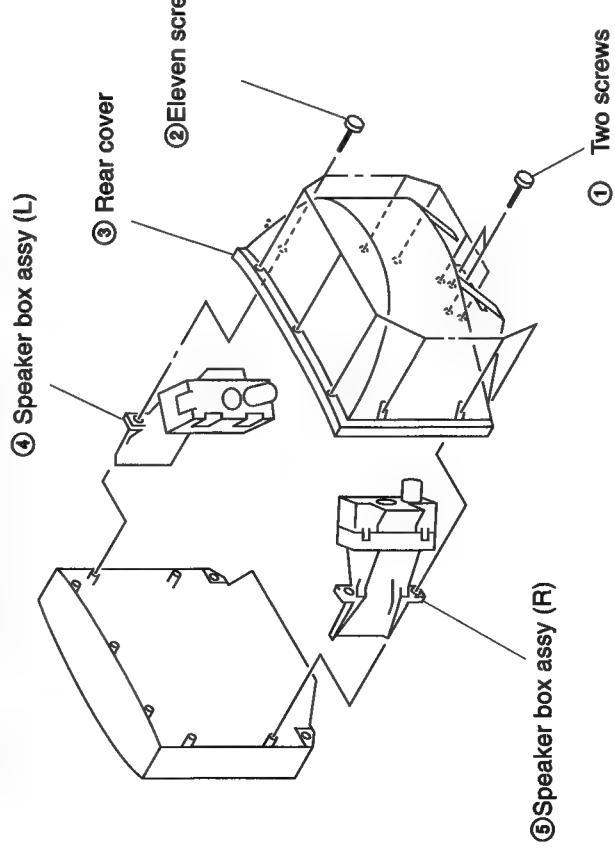
- Cannot gain enough volume when using a cable box**
 - Make sure CABLE is OFF in the SET UP menu. (page 22)
 - Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (page 22)
- Cannot receive any channels when using cable TV**
 - Make sure CABLE is ON in the SET UP menu. (page 22)
 - Use AUTO PROGRAM to add receivable channels that are not presently in TV memory. (page 22)
- Remote control does not operate**
 - Batteries could be weak. Replace the batteries.
 - Press TV (FUNCTION) when operating your TV.
 - Make sure the TV's power cord is connected securely to the wall outlet. Locate the TV at least 3-4 feet away from fluorescent lights.
 - Check the S-Link connection. (page 4, 5)

- If the remote control doesn't work**
 - First, try repeating the setup procedures using the older codes listed for your equipment.
 - If more than one code number is listed, try entering them one by one until you come to the correct code for your equipment.
 - If you enter a new code number, the code number you previously entered will be erased.
 - In some rare cases, you may not be able to operate your equipment with the supplied remote control. In this case, use the equipment's own remote control unit.
 - Whenever you remove the batteries, replace them. For example—if too much time is taken, the code number may revert to the factory setting and must be reset.
- To operate the TV**
 - Press TV (FUNCTION). Then use the TV control buttons to control the TV.
- For more details on operating the cable box or DBS receiver**
 - Refer to the operating instructions that come with the equipment.

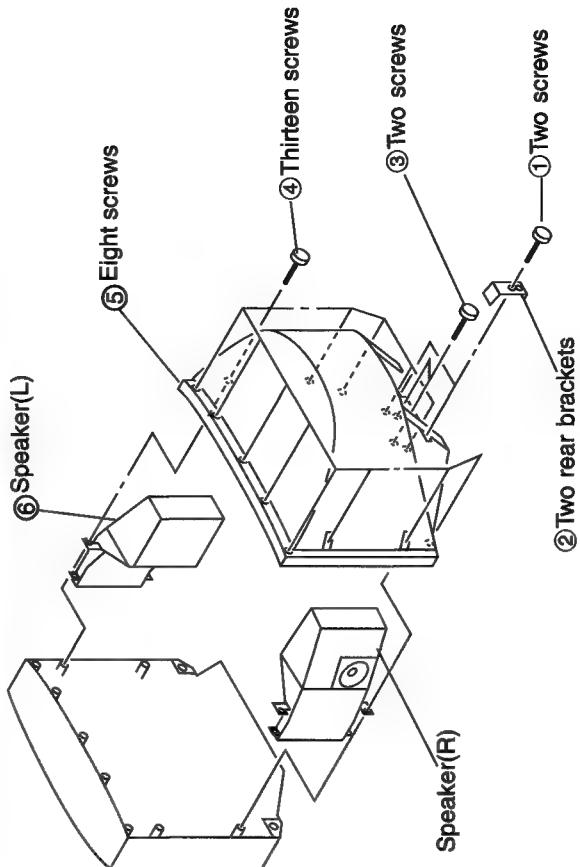
SECTION 2

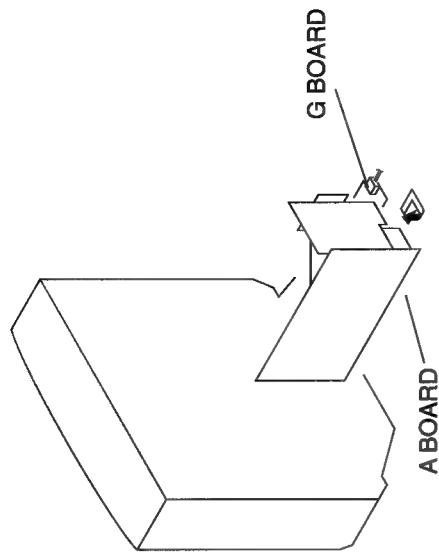
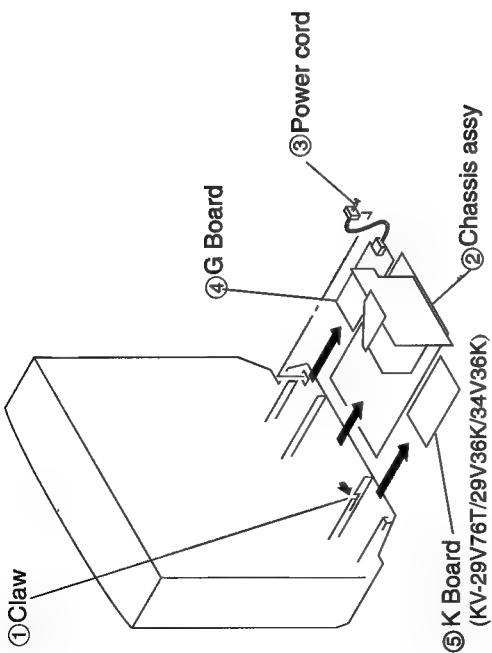
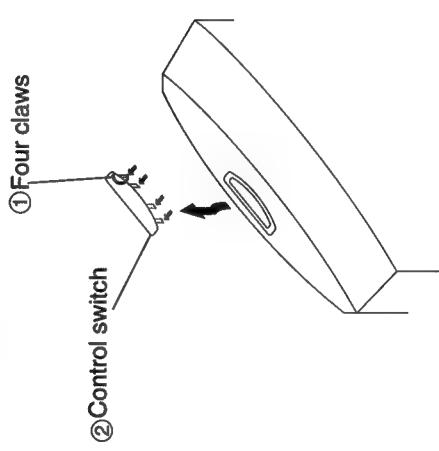
DISASSEMBLY

2-1-1. REAR COVER REMOVAL (except KV-37V36T)



2-1-2. REAR COVER AND SPEAKER REMOVAL (KV-37V36T only)

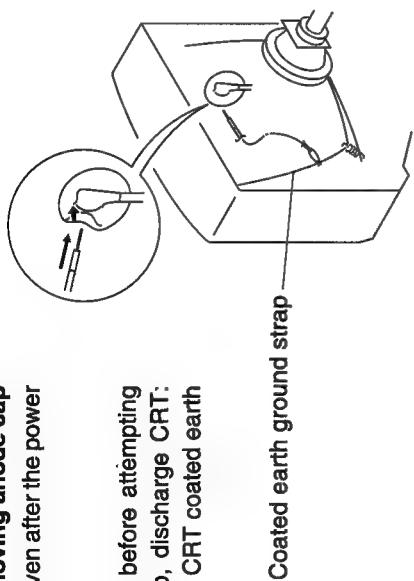


2-2. CHASSIS ASSY REMOVAL**2-3. SERVICE POSITION****2-4. CONTROL SWITCH REMOVAL (KV-29V36K/29V76T/34V36K/37V36T)**

2-5-2. PICTURE TUBE REMOVAL (KV-34V36K)

WARNING : Before removing anode cap
H.V. remains in the CRT even after the power
is disconnected.

To avoid electrical shock before attempting to remove the anode cap, discharge CRT: Short between anode and CRT coated earth ground strap.



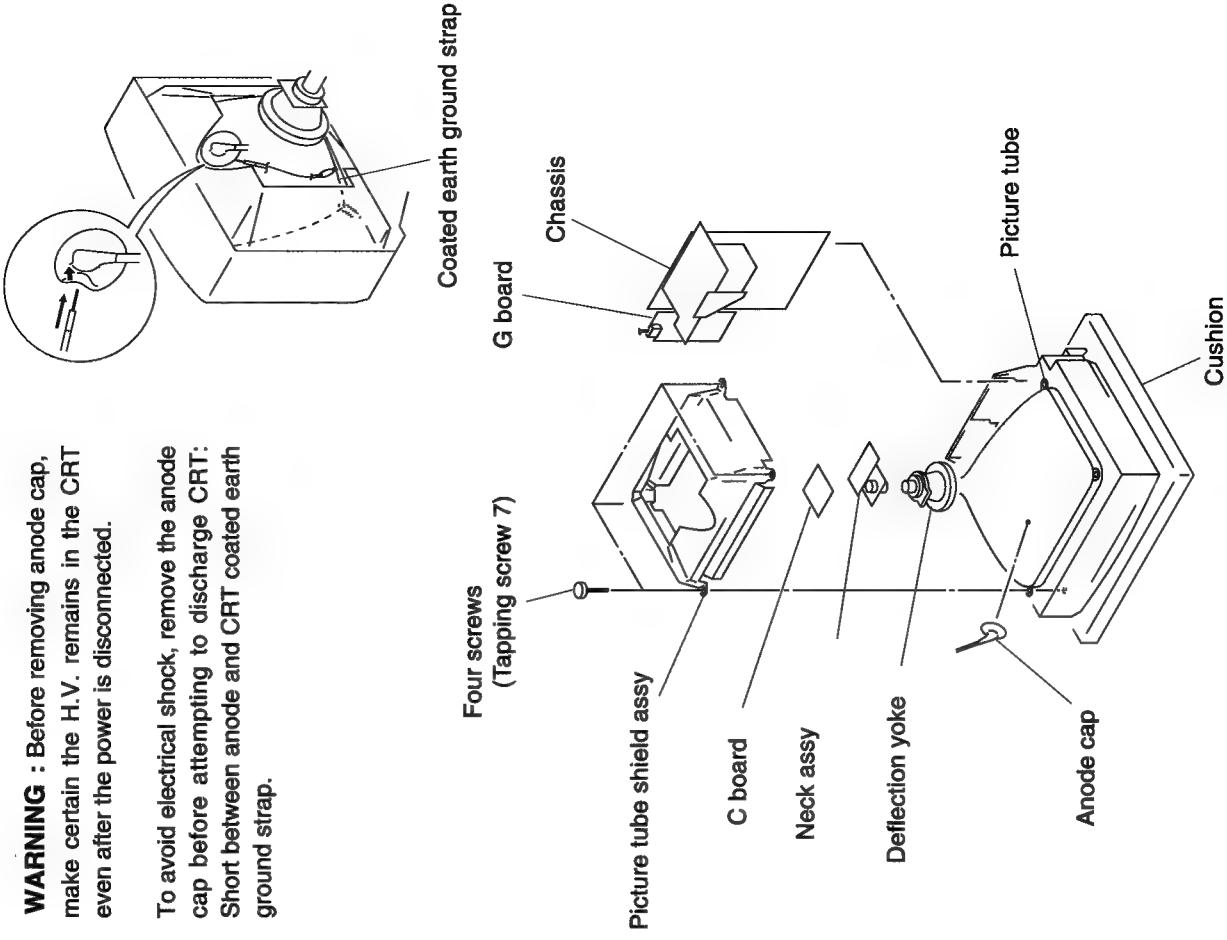
This diagram illustrates the exploded view of a CRT assembly, showing the following labeled components:

- Two DGC holders (M)
- G board
- Chassis assy
- K Board (KV-29V36K/29V76T)
- Tension spring (B)
- Cushion
- Picture tube
- Anode cap
- Four screws (Tapping screw 7)
- Deflection yoke
- Neck Assy (KV-29V36K/29V76T)
- C board
- Degaussing coil
- Claw

2-5-1. PICTURE TUBE REMOVAL (KV-27V22/29V22T/29V36K/29V76T)

WARNING : Before removing anode cap, make certain the H.V. remains in the CRT gun after the power is disconnected.

To avoid electrical shock, remove the anode cap before attempting to discharge CRT: Short between anode and CRT coated earth ground strap.

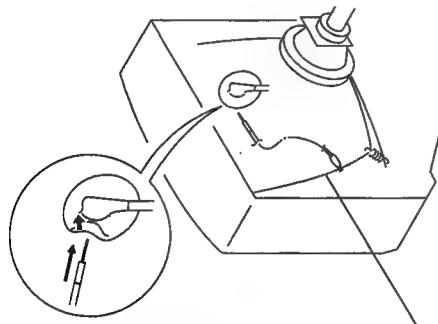


2-5-3. PICTURE TUBE REMOVAL

(KV-37V36T)

WARNING : Before removing anode cap, make certain the H.V. remains in the CRT even after the power is disconnected.

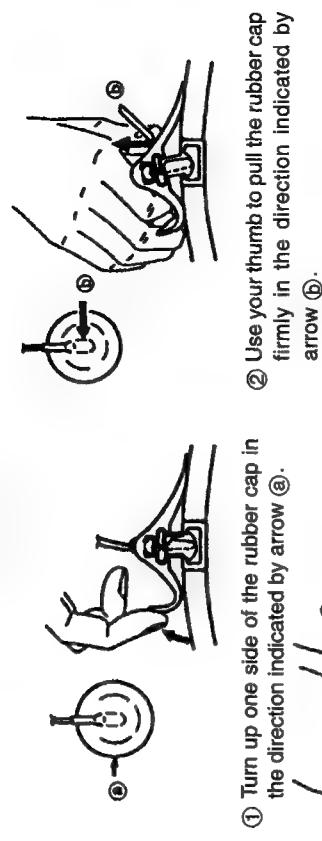
To avoid electrical shock, remove the anode cap before attempting to discharge CRT: Short between anode and CRT coated earth ground strap.



• REMOVAL OF THE ANODE-CAP

NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis CRT shield or carbon painted on the CRT, after removing the anode.

• REMOVAL PROCEDURES

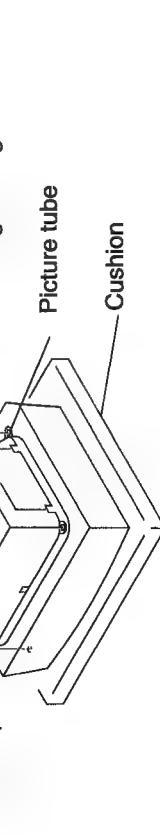


- ① Turn up one side of the rubber cap in the direction indicated by arrow ③.
- ② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ⑤.

- ③ When one side of the rubber cap separates from the anode button, the anode cap can be removed by turning the rubber cap and pulling it in the direction of arrow ④.

• HOW TO HANDLE AN ANODE-CAP

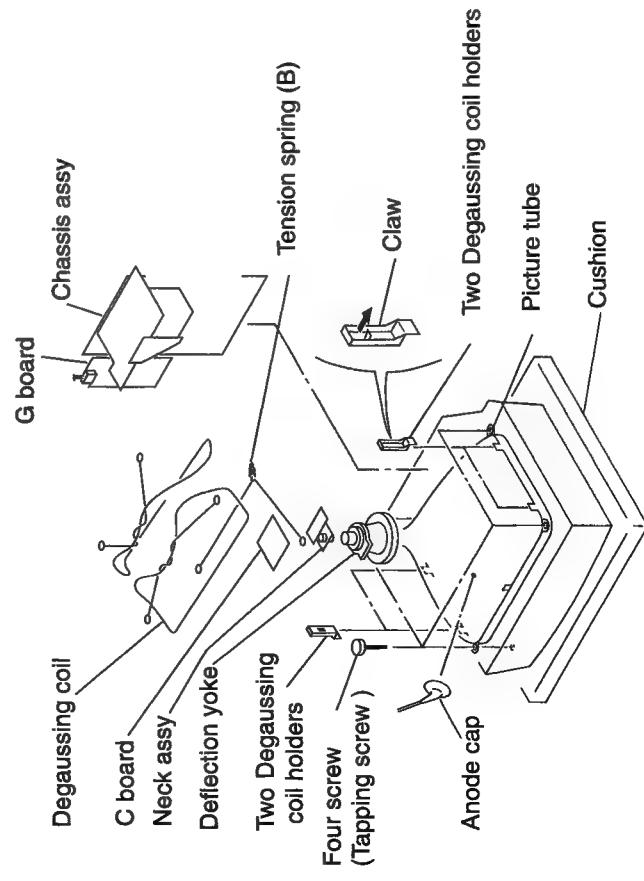
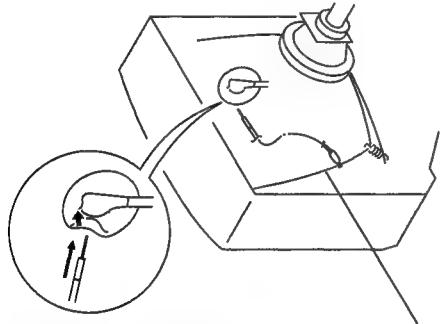
- ① Do not use sharp objects which may cause damage to the surface of the anode-cap.
- ② Do not squeeze the rubber covering too hard to avoid damaging the anode-cap. A material fitting called a shatter-hook terminal is built into the rubber.
- ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



2-5-3. PICTURE TUBE REMOVAL (KV-37V36T)

WARNING : Before removing anode cap, make certain the H.V. remains in the CRT even after the power is disconnected.

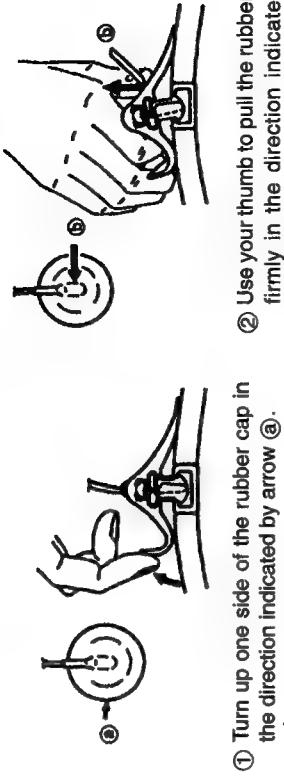
To avoid electrical shock, remove the anode cap before attempting to discharge CRT: Short between anode and CRT coated earth ground strap.



• REMOVAL OF THE ANODE-CAP

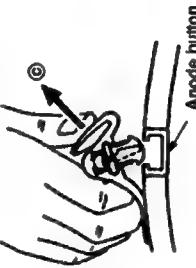
NOTE: Short circuit the anode of the picture tube and the anode cap to the metal chassis CRT shield or carbon painted on the CRT, after removing the anode.

• REMOVAL PROCEDURES



① Turn up one side of the rubber cap in the direction indicated by arrow ①.

② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow ②.



③ When one side of the rubber cap separates from the anode button, the anode-cap can be removed by turning the rubber cap and pulling it in the direction of arrow ③.

• HOW TO HANDLE AN ANODE-CAP

① Do not use sharp objects which may cause damage to the surface of the anode-cap.
 ② Do not squeeze the rubber covering too hard to avoid damaging the anode-cap. A material fitting called a shatter-hook terminal is built into the rubber.
 ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



SECTION 3

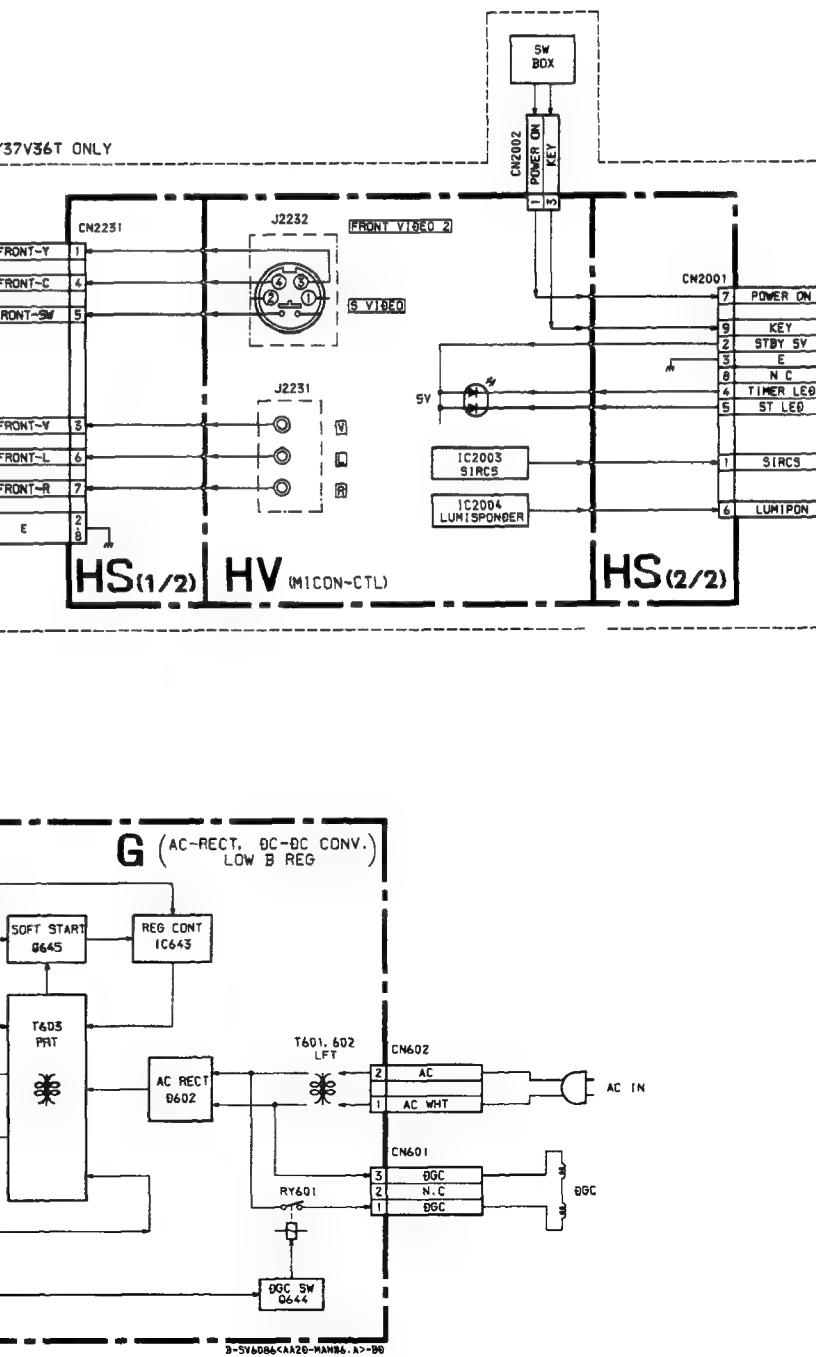
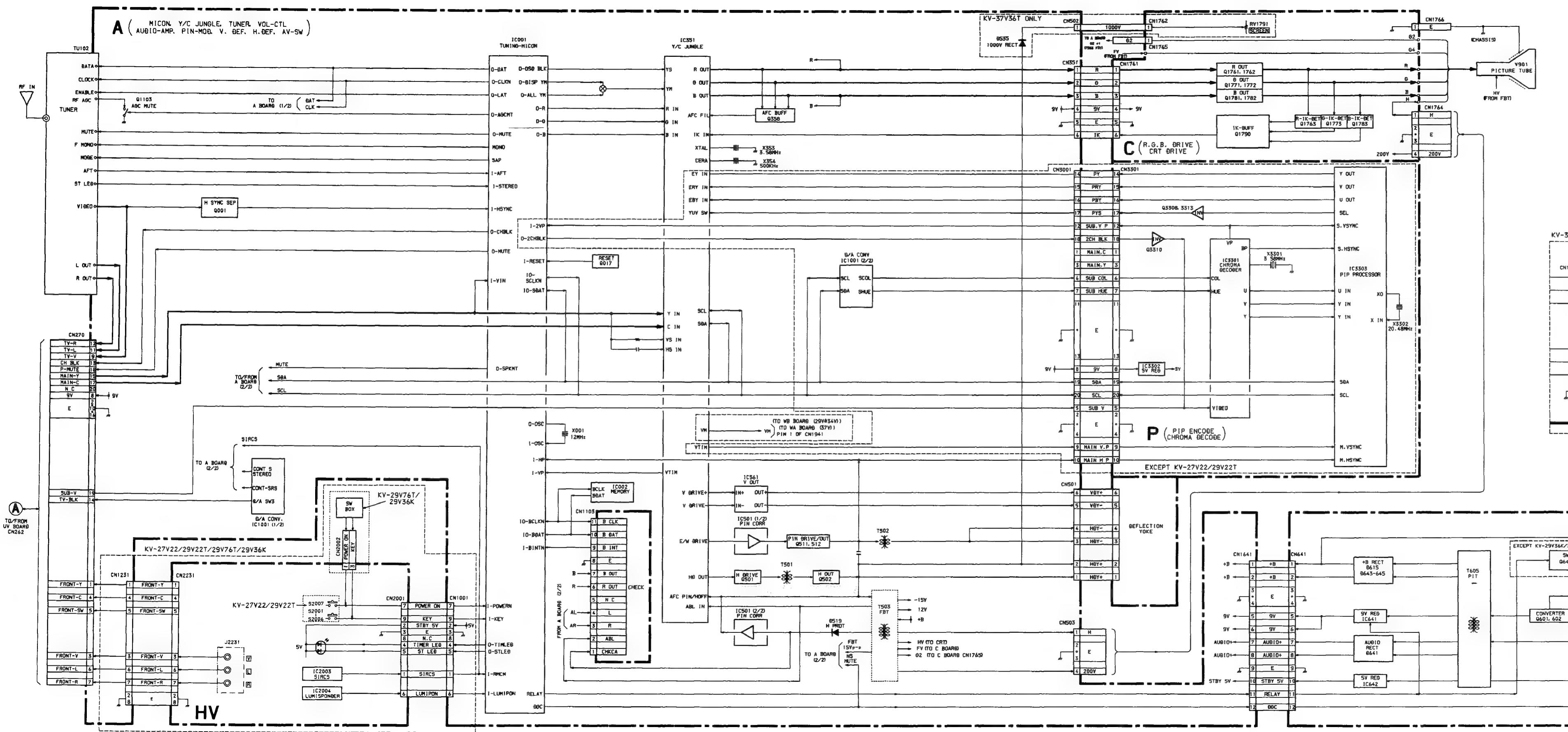
SAFETY RELATED ADJUSTMENTS

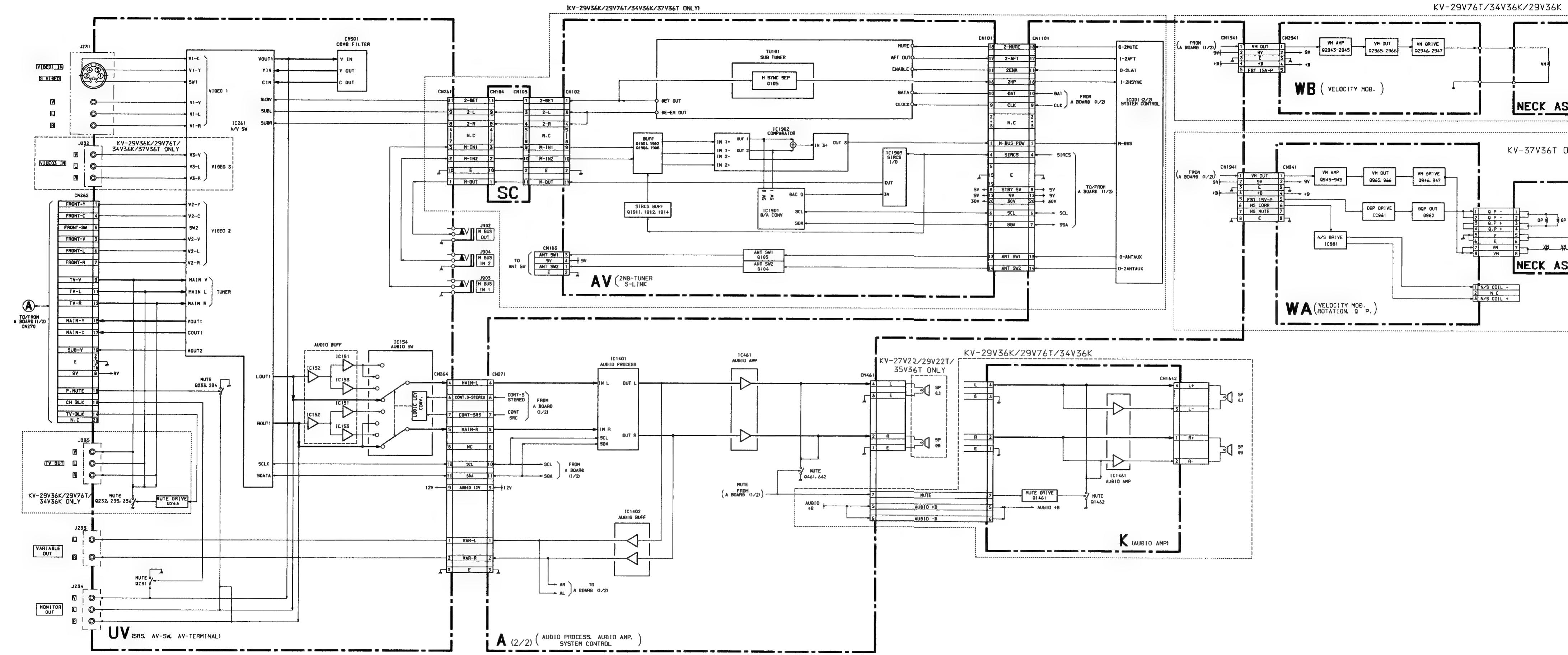
ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
RESISTOR CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS	marked parts A Board IC351,IC501 D519,D520,D521, C531,C532,R387, R529,R530,R531 R332,R533,R550,T503 G Board IC643, R661	marked parts A Board IC351,IC501 D519,D520,D521, C531,C532,R387, R529,R530,R531 R332,R533,R550,T503 G Board IC643, R661	█ R530,531	A BOARD - CONDUCTOR SIDE - digital multimeter
	The following adjustments should always be performed when replacing the components marked with █ on the A and G Board schematic diagrams. (Hold-down operation confirmation)			
Step 1	Preparation before confirmation: a) Turn the POWER switch ON, input a white signal, and set the PICTURE and BRIGHTNESS controls to maximum.	White Picture	TP85 (H. PROT)	PICTURE BRIGHTNESSmaximum }
	b) Confirm that the voltage at the check terminal of TP85 is more than 18.0 VDC (34 and 37 in.) or 21.0 VDC (27/29 in.) when the set is operating normally (120 ±2.0 VAC) or (220 ±2.0 VAC for KV-29V36K/34V36K only)	Digital multimeter		
Step 2	Input a white signal and verify that IABL is within the specified range.	White Picture		
Step 3	Record the voltage between TP85 and ground.			
Step 4	Using an external DC power supply, apply voltage between TP 85 and ground. Increase the voltage gradually and confirm that the hold-down works (raster disappears) at lower than the voltage recorded in Step 3.			[Check Condition] Step 2 1760 ± 100 µA (27/29 in.) 2160 ± 100 µA (34 and 37 in.) 120 ± ^{2.0} ₀ VAC (Power Supply) 220 ± ^{2.0} ₀ VAC (Power Supply) (KV-29V36K/34V36K only)
Step 5	Confirm that a voltage of more than 18.0 VDC (34 and 37 in.) or 21.0 VDC (27/29 in.) appears between TP85 and ground.	White Picture		[Check Condition] Step 4 lower than 26.05 VDC (27/29 in.) lower than 22.05 VDC (34 and 37 in.) 120 ± ^{2.0} ₀ VAC (Power Supply) 220 ± ^{2.0} ₀ VAC (Power Supply) (KV-29V36K/34V36K only)
				[Check Condition] Step 5 more than 21.0 VDC (27/29 in.) more than 18.0 VDC (34 and 37 in.) 120 ± ^{2.0} ₀ VAC (Power Supply) 220 ± ^{2.0} ₀ VAC (Power Supply) (KV-29V36K/34V36K only)

ADJUSTMENT ITEM AND PROCEDURE	EQUIPMENT AND SIGNAL	MEASUREMENT POSITION	ADJUSTMENT LOCATION	ILLUSTRATION AND SHAPE AND NUMBER
B+ VOLTAGE CONFIRMATION The following adjustments should always be performed when replacing the components marked with █ on the schematic.	1) Supply AC Voltage with a variable auto-transformer. 2) Input an entirely monoscope signal. 3) Set the PICTURE control and the BRIGHTNESS control to initial reset value. 4) Confirm the voltage of the G board CN641 between pin 1 to ground is less than 136.5 VDC. 5) If step 4) is not satisfied, replace the R661 and repeat above steps.	Variable auto-transformer Monoscope	<u>G-Board</u> IC643, R661	130 $^{+2.0}_{-0}$ V AC 220 $^{+2.0}_{-0}$ V AC (KV-29V36K/34V36K) PICTURE, BRIGHTNESS initial reset

NOTES:

1. BLOCK DIAGRAM

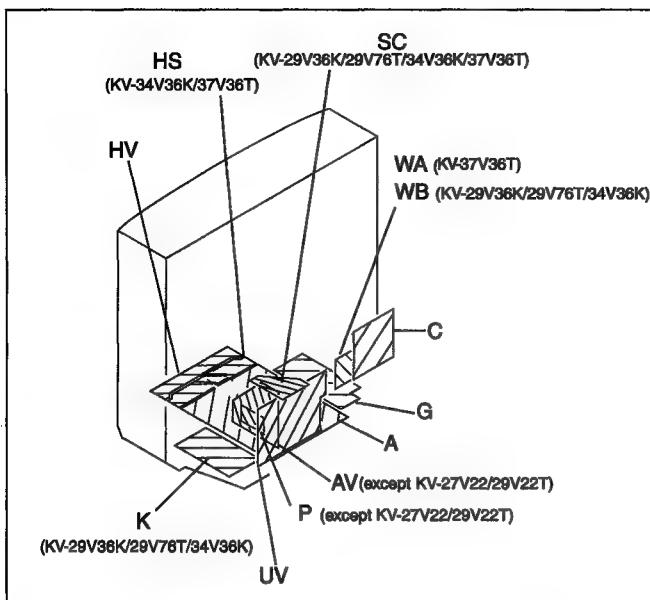




SECTION 4

DIAGRAMS (continued)

4-2. CIRCUIT BOARDS LOCATION



4-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note

- All capacitors are in μF unless otherwise noted μF $\mu\mu\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums
- All electrolytics are in 50V unless otherwise specified
- All resistors are in ohms
 $\text{k}\Omega=1000\Omega$, $\text{M}\Omega=1000\text{k}\Omega$
- Indication of resistance, which does not have one for rating electrical power, is as follows

Pitch 5mm
Rating electrical power $1/4\text{W}$
- $1/4\text{W}$ in resistance, $1/10\text{W}$ and $1/8\text{W}$ in chip resistance
- nonflammable resistor
- fusible resistor
- Δ internal component
- panel designation and adjustment
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation
 Should replacement be required, replace only with the value originally used
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved
 (Refer to R530 and R531 adjustment on Page 16-17)
- When replacing the part in below table, be sure to perform the related adjustment

Part replaced()	Adjustment()
IC351, IC501, D519, D520, D521 C531, C532, R387, R529, R530, R531, R532, R533, R550, T503.....A BOARD IC643, R661.....G BOARD	R530, R531

- Readings are taken with a color-bar signal input
- Readings are taken with a $10\text{M}\Omega$ digital multimeter
- Voltages are DC with respect to ground unless otherwise noted
- Voltage variations may be noted due to normal production tolerances
- All voltages are in V
- S Measurement impossibility
 - B-line
 - B-line
(Actual measured value may be different).
- signal path (RF)
- Circle numbers are waveform references

Reference information

RESISTOR	RN	METAL FILM
	RC	SOLID
	FPRD	NONFLAMMABLE CARBON
	FUSE	NONFLAMMABLE FUSIBLE
	RW	NONFLAMMABLE WIREWOUND
	RS	NONFLAMMABLE METAL OXIDE
	RB	NONFLAMMABLE CEMENT
	※	ADJUSTMENT RESISTOR
COIL	LF-8L	MICRO INDUCTOR
CAPACITOR	TA	TANTALUM
	PS	STYROL
	PP	POLYPROPYLENE
	PT	MYLAR
	MPS	METALIZED POLYESTER
	MPP	METALIZED POLYPROPYLENE
	ALB	BIPOLAR
	ALT	HIGH TEMPERATURE
	ALR	HIGH RIPPLE

Note:

The symbol display is on the component side
 The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.
 The symbol indicate fast operating fuse. Replace only with fuse of same rating as marked.

Note.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié

Le symbole indique une fusible a action rapide. Doit être remplacée par une fusible de même valeur, comme maque.

P BOARD IC VOLTAGE LIST

IC3301	21	3.0	12	0.3
pin	volt		22	4.7
1	GND		23	GND
2	NC		24	2.9
3	GND		IC3302	GND
4	4.0		16	GND
5	6.8		17	0.7
6	GND		18	0.5
7	0.2		19	0.2
8	0		20	0.3
9	1.8		21	5.1
10	0.3		22	5.2
11	8.2		23	NC
12	8.2		24	NC
13	3.9		25	GND
14	3.4		26	NC
15	GND		27	GND
16	2.8		28	2.3
17	NC		29	5.2
18	2.5		30	2.6
19	3.5		31	4.2
20	3.0		32	2.5

All voltages are in V

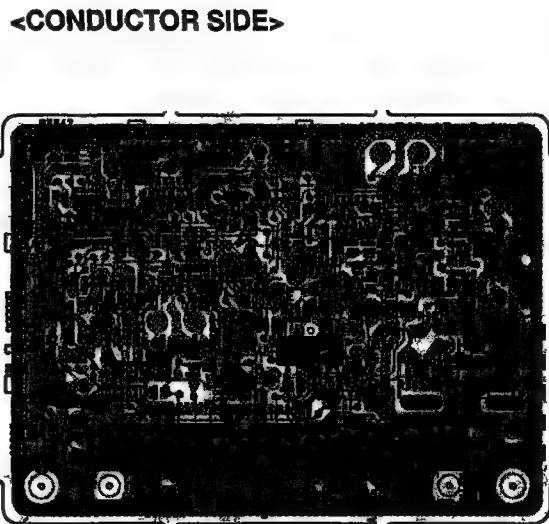
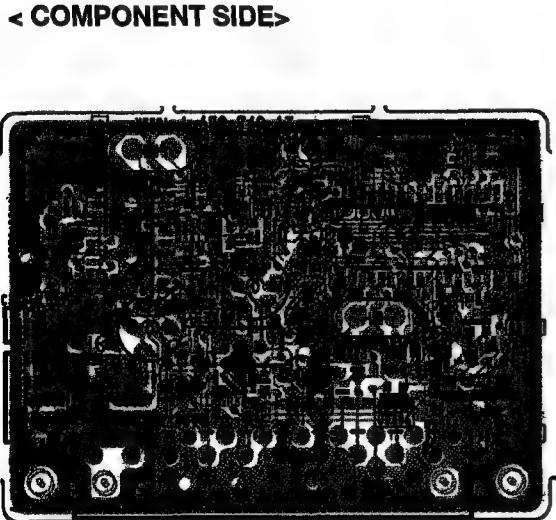
P BOARD TRANSISTOR VOLTAGE LIST

	B	C	E
Q3301	5.3	9.1	4.7
Q3305	0.5	GND	1.2
Q3306	0.8	GND	1.4
Q3307	0.6	GND	1.3
Q3308	0	2.8	GND
Q3310	0	5.2	GND
Q3312	0	0	0.8
Q3313	0.8	0.4	GND

All voltages are in V



[P in P]
(EXCEPT KV-27V22/29V22T)

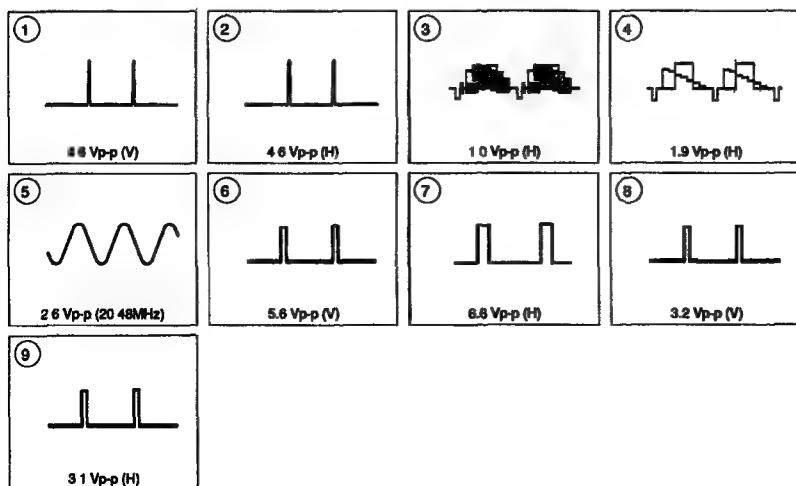


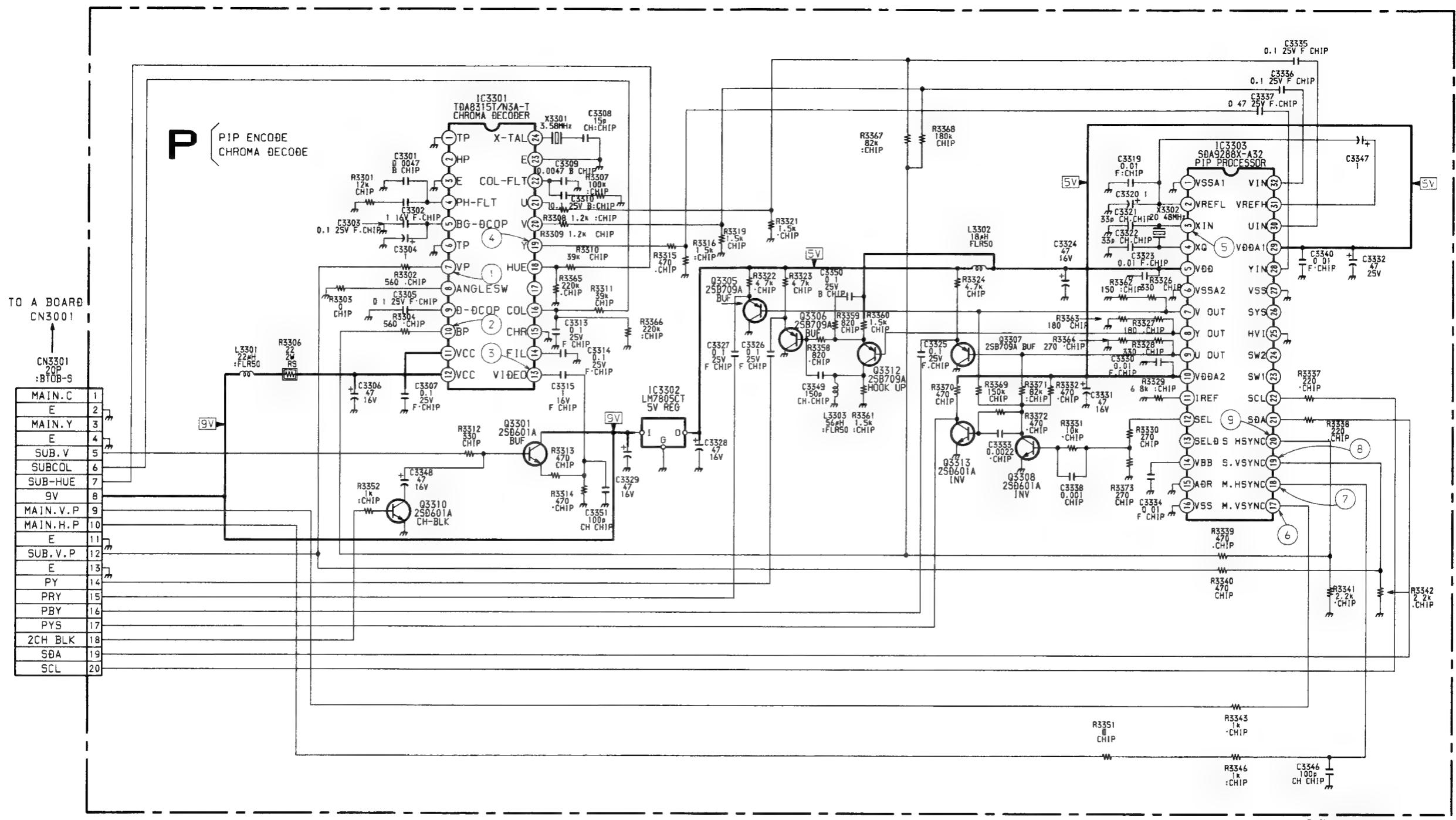
< COMPONENT SIDE >

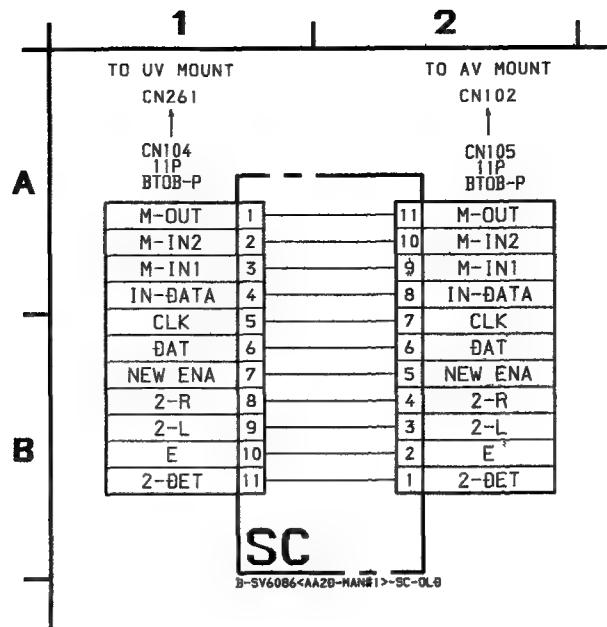
< CONDUCTOR SIDE >

- Pattern from the side which enables seeing
- Pattern of the rear side

P BOARD WAVEFORMS

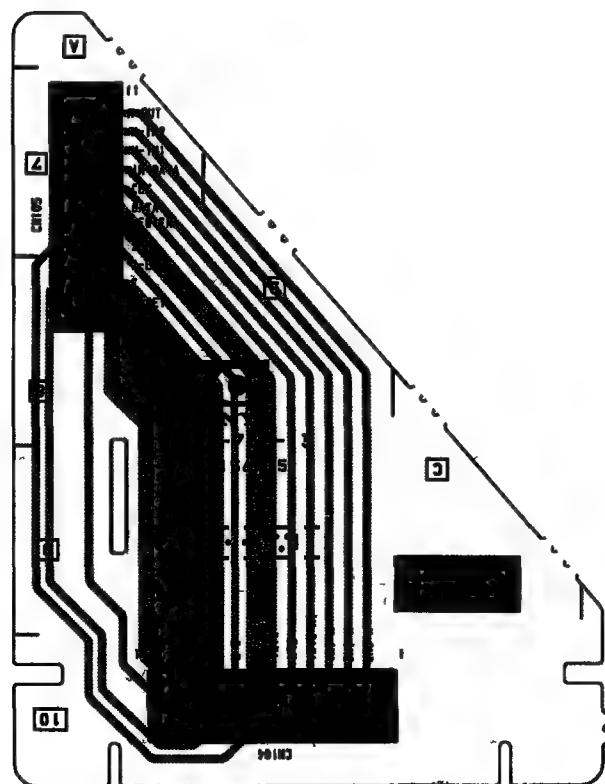






SC (KV-29V36K/29V76T/
34V36K/37V36T)

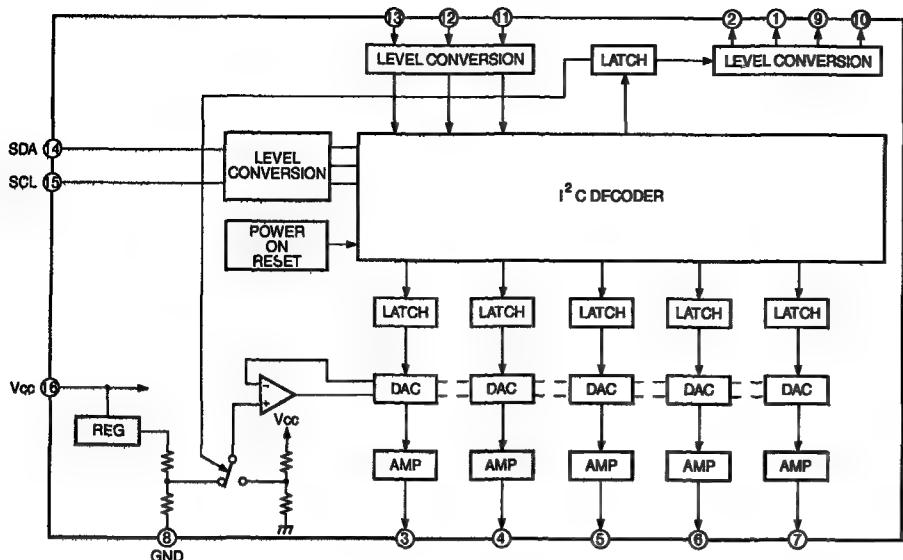
— SC BOARD —



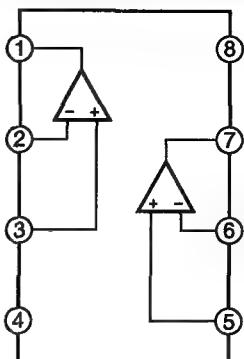
Schematic diagrams

← P SC boards A board →

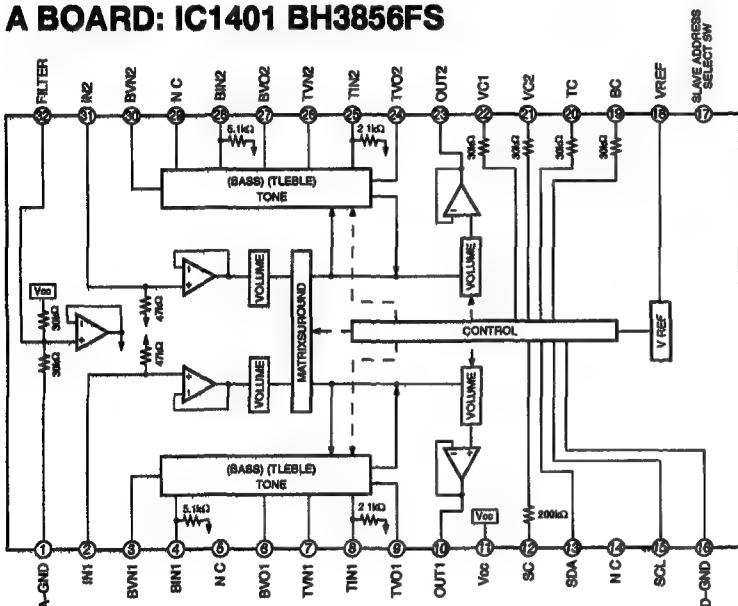
A BOARD: IC1001 CXA1315M



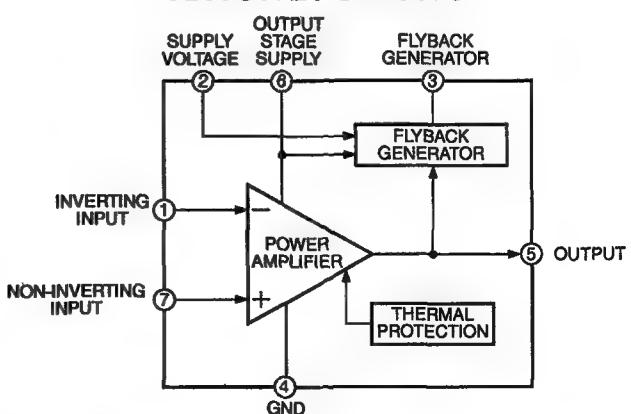
**A BOARD:
IC1402 NJM4558M**



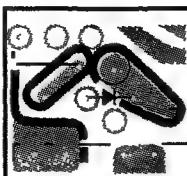
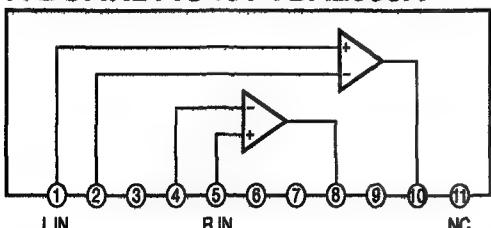
A BOARD: IC1401 BH3856FS



**A BOARD: IC561
TDA 8172 / STV9379**



A BOARD: IC461 TDA2009A



NOTE

Portions of the circuit marked as shown are high voltage areas. Use care to prevent electric shocks during inspection or repair.

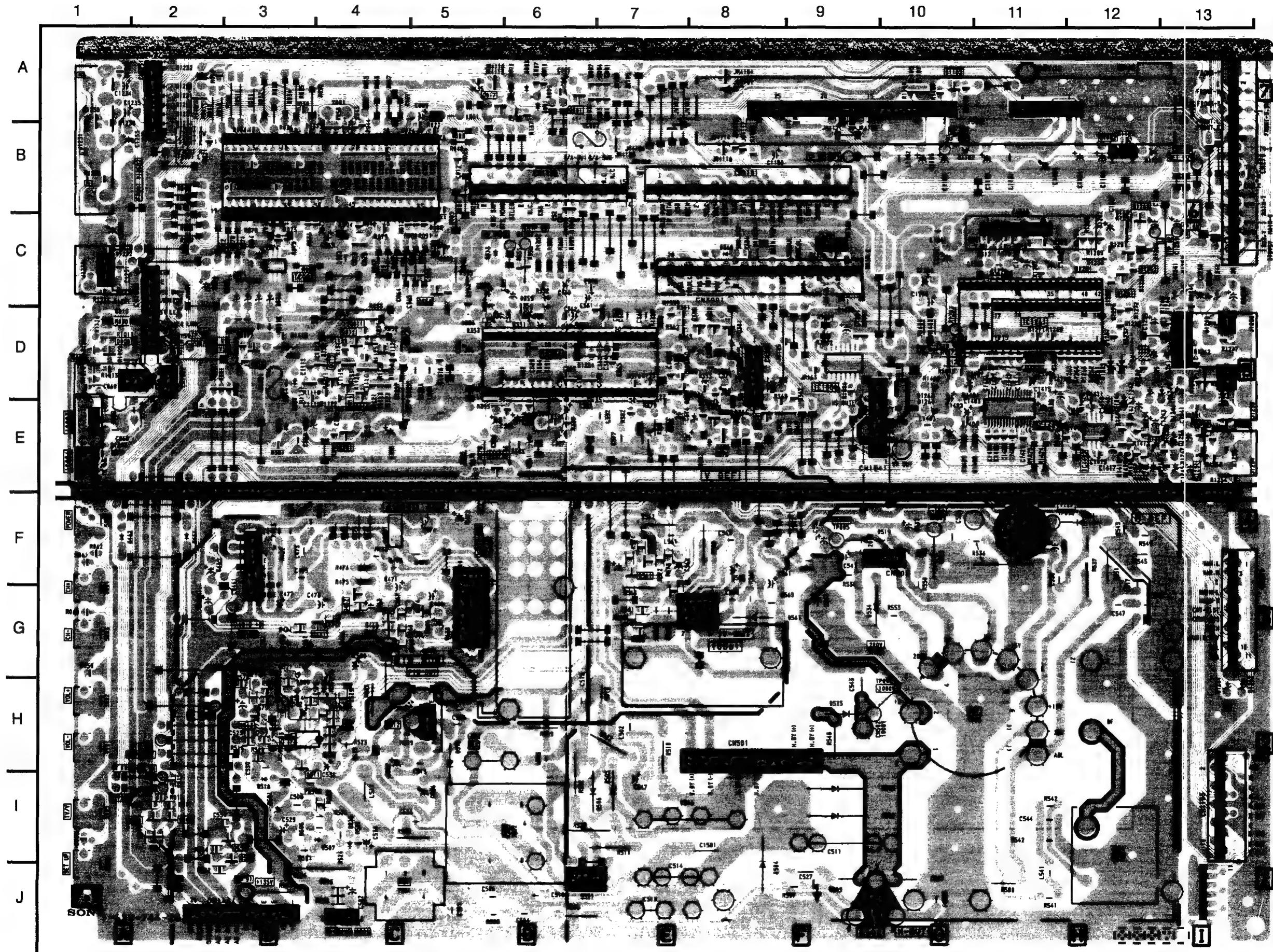
A BOARD
LOCATOR LIST

DIODE	
D001	A-6
D002	D-3
D003	A-6
D004	C-3
D011	A-5
D013	C-5
D014	D-3
D015	C-4
D353	D-8
D356	E-3
D360	E-7
D362	E-8
D368	C-8
D462	F-1
D501	I-3
D502	I-9
D503	I-9
D504	J-8
D505	I-7
D506	I-6
D507	I-3
D515	H-5
D516	I-3
D518	I-4
D519	F-9
D520	H-3
D521	G-3
D530	F-10
D531	F-12
D534	G-9
D535	H-9
D561	G-8
D562	G-3
D1102	B-10
D1103	B-12
D1248	E-12
D1263	D-10
D1264	E-10
IC	
IC001	B-4
IC002	C-3
IC351	D-6
IC461	G-5
IC501	H-3
IC561	G-8
IC1001	D-9
IC1401	E-11
IC1402	E-12
TRANSISTOR	
Q001	A-6
Q002	C-5
Q003	I-2
Q004	I-1
Q010	D-4
Q011	D-4
Q012	D-4
Q013	E-4
Q014	D-4
Q015	D-4
Q016	D-3
Q017	A-5
Q301	D-8
Q302	D-8
Q303	D-8
Q354	E-8
Q356	C-5
Q357	E-5
Q358	E-8
Q461	G-3
Q462	G-4
Q501	J-4
Q502	J-9
Q511	H-3
Q512	H-5
Q551	I-2
Q552	I-2
Q561	F-7
Q562	F-7
Q563	H-2
Q1102	B-12
Q1103	A-10
Q1231	E-13
Q1232	E-13

A

[MICON, Y/C/J, TUNER, VOL-CTL, AUDIO-AMP,
PIN-MOD, V.DEF, H.DEF, AV-SW]
(KV-37V36T)

— A BOARD —



A

[MICON, Y/C/J, TUNER, VOL-CTL, AUDIO-AMP,
PIN-MOD, V.DEF, H.DEF, AV-SW]
(KV-27V22/29V22T/29V36K/29V76T/34V36K)

— A BOARD —**A BOARD
LOCATOR LIST****DIODE**

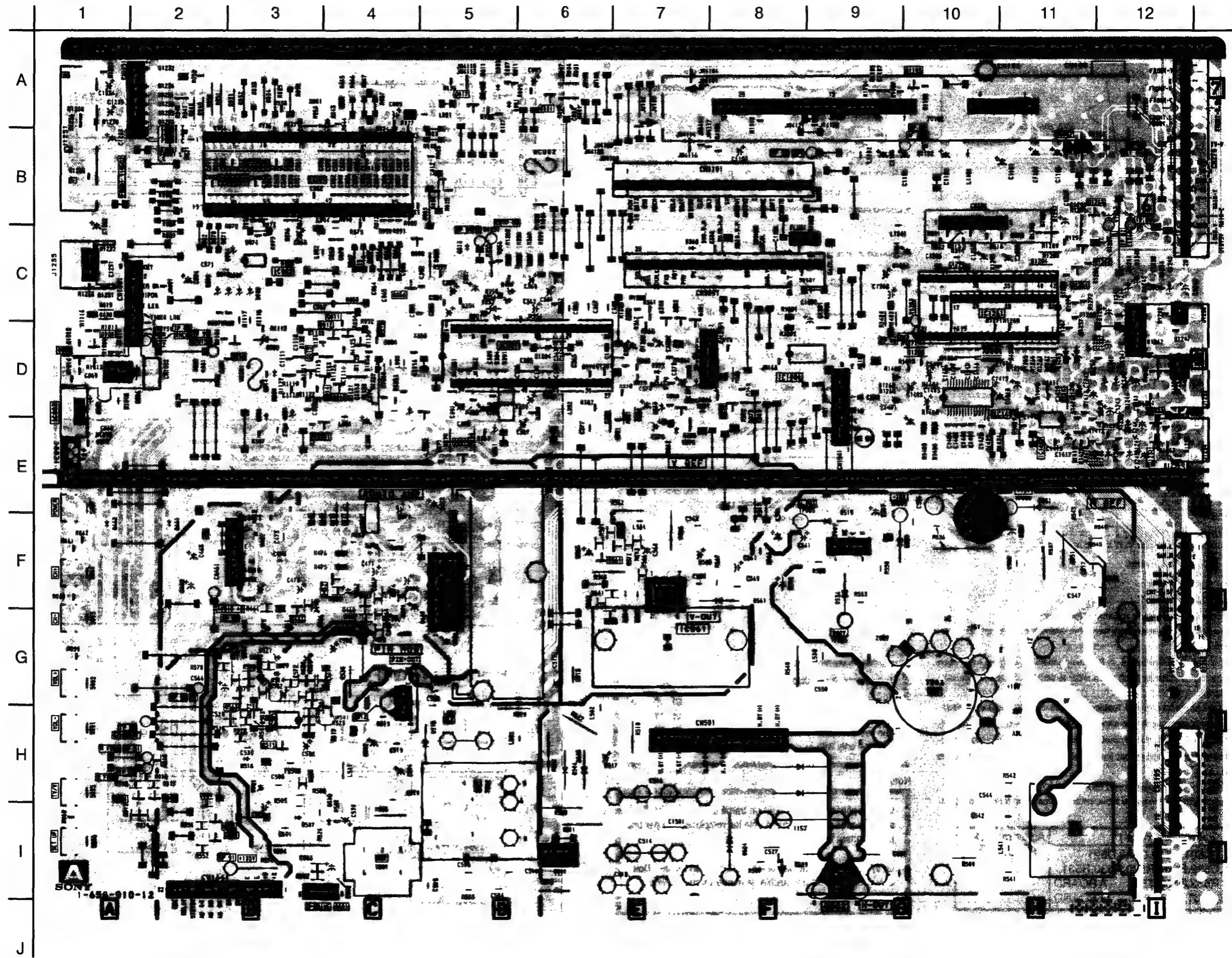
D001	A-5
D002	D-3
D003	A-5
D004	C-2
D011	A-5
D013	C-5
D014	D-3
D015	C-4
D353	D-7
D356	E-3
D360	E-7
D362	E-7
D368	C-7
D462	F-1
D501	H-3
D502	H-9
D503	H-9
D504	I-8
D505	H-6
D506	H-6
D507	I-3
D515	H-5
D516	H-3
D518	I-4
D519	F-9
D520	G-3
D521	G-3
D530	F-9
D531	E-11
D534	F-9
D561	F-8
D562	G-3
D1102	B-10
D1103	B-12
D1248	E-12
D1263	D-9
D1264	E-11

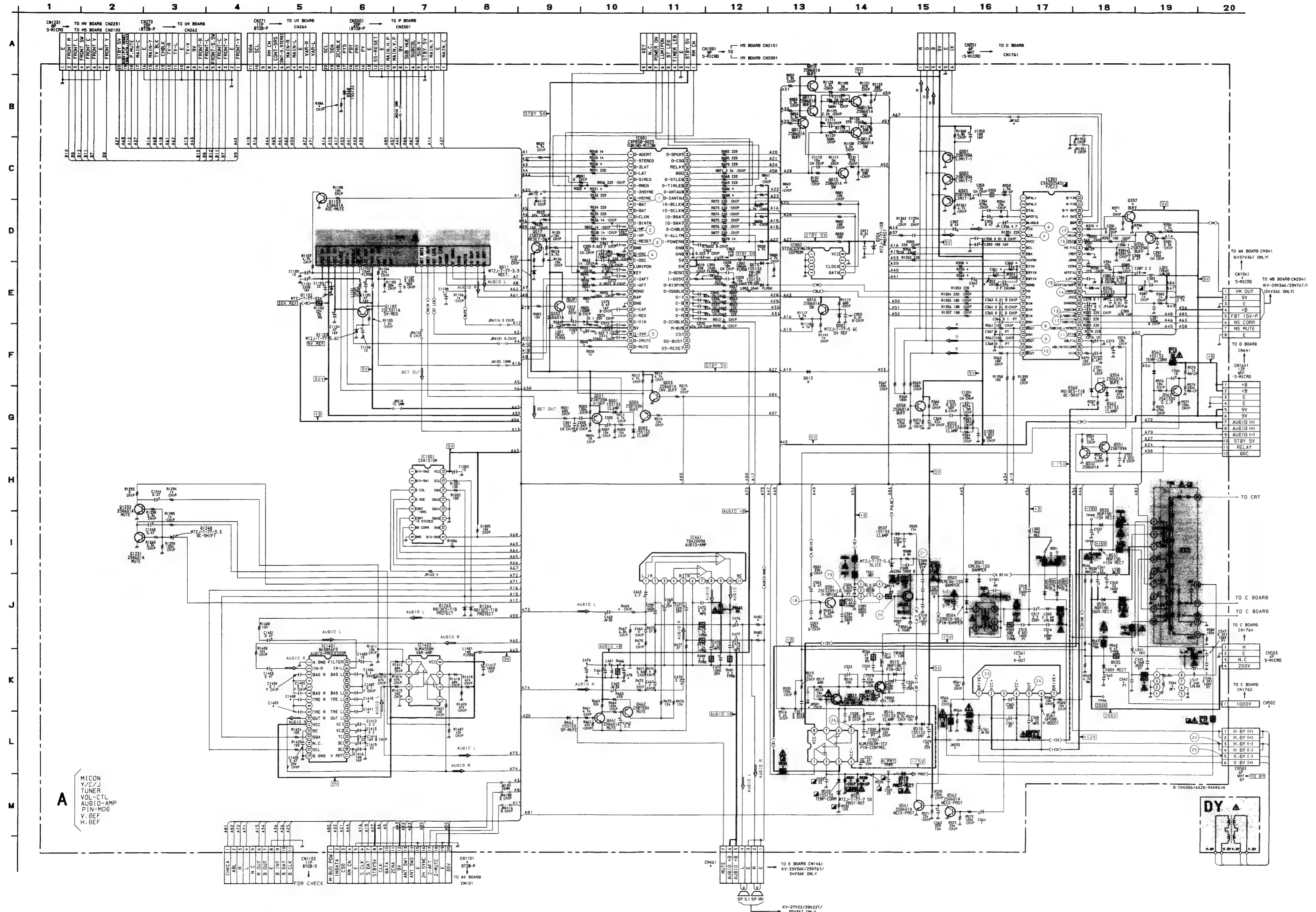
IC

IC001	B-4
IC002	C-3
IC351	D-5
IC461	F-5
IC501	H-3
IC561	G-7
IC1001	D-8
IC1401	D-10
IC1402	E-11

TRANSISTOR

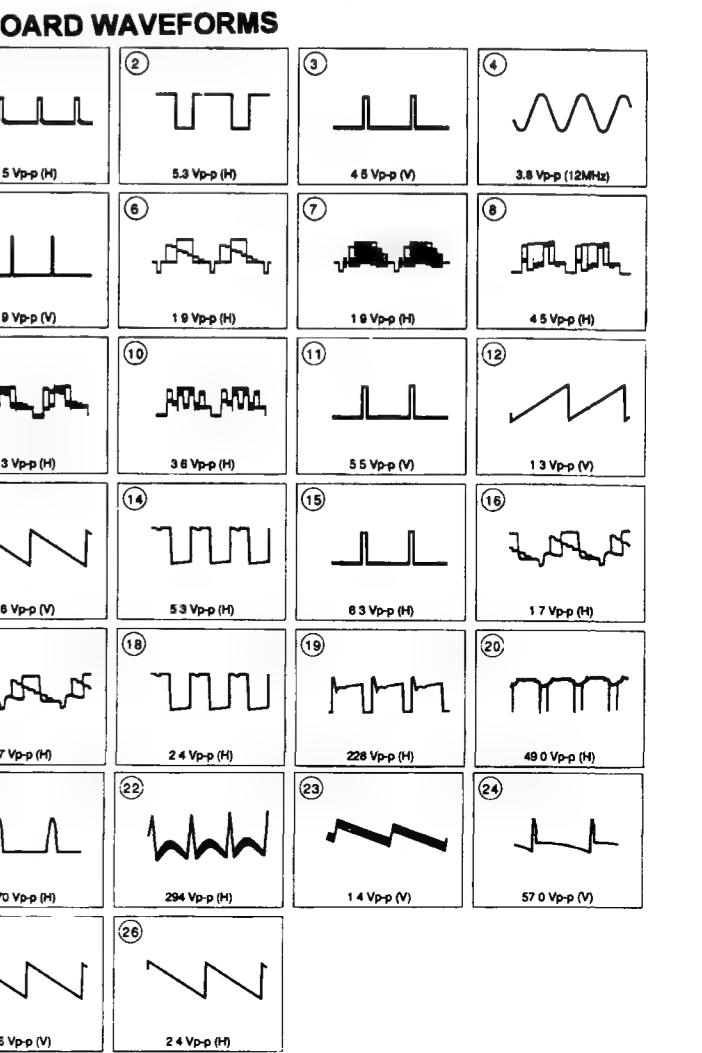
Q001	A-5
Q002	C-4
Q003	H-2
Q004	H-1
Q010	D-4
Q011	D-3
Q012	D-3
Q013	D-4
Q014	D-3
Q015	D-3
Q016	D-3
Q017	A-5
Q301	C-7
Q302	C-7
Q303	C-7
Q354	D-7
Q356	C-4
Q357	E-5
Q358	D-8
Q461	G-3
Q462	F-3
Q501	J-4
Q502	J-9
Q511	H-3
Q512	H-4
Q551	I-2
Q552	I-2
Q561	F-6
Q562	F-6
Q563	H-2
Q1102	A-11
Q1103	A-10
Q1231	E-12
Q1232	E-12





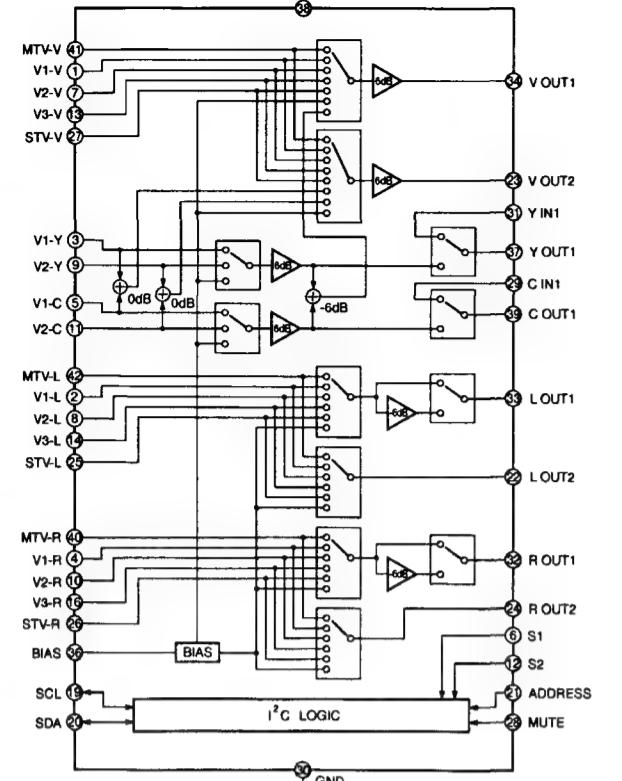
A BOARD IC VOLTAGE LIST		A BOAR	
IC001	7	GND	6 2.8
pin	8	5.0	7 -16.3
0			8 12.6
IC351	1	NC	IC561
pin	2	NC	pin
0	3	2.2	volt
4	4	5.9	1 1.6
0	5	4.1	2 12.6
5.0	6	4.6	3 -14.5
5.0	7	4.3	4 -16.6
5.0	8	9.2	5 *
10.0	9	5.2	6 13.4
11.0	10	5.2	7 1.6
12.5	11	0.3	IC1001
13.4.2	12	6.6	pin
14.1.3	13	6.3	volt
15.5	14	6.3	1 0.0
16. GND	15	GND	2 0.0
17. 2.6	16	0	3 3.2
18. *	17	0	4 2.8
19. 3.1	18	5.2	5 0.5
20. 5	19	5.2	6 0.6
21. 2	20	5.2	7 3.8
22. 2	21	4.0	8 GND
23. 0	22	2.2	9 0
24. 0	23	5.1	10 0
25. GND	24	1.8	11 GND
26. 0	25	4.5	12 GND
27. 1.6	26	2.3	13 GND
28. 2.4	27	4.7	IC1401
29. 5	28	1.7	pin
30. 0.2	29	6.8	volt
31. 0	30	0.7	1 GND
32. 0	31	3.1	2 4.3
33. 0	32	3.2	3 4.3
34. 0	33	3.7	4 4.3
35. 0	34	4.5	5 0
36. 0	35	4.8	6 4.3
37. 0	36	8.7	7 4.3
38. 0	37	3.4	8 4.4
39. 0	38	3.6	9 4.4
40. 0	39	4.1	10 4.4
41. 0	40	4.3	11 8.7
42. 0	41	2.5	12 3.8
43. 0	42	GND	13 4.9
44. 3.0	43	2.8	14 0
45. 3.0	44	2.8	15 5
46. 5.0	45	4.1	16 GND
47. 5.0	46	3.3	17 4
48. GND	47	6.0	18 4
49. GND	48	0.4	19 2
50. 5.0	49	0	20 2
51. 0	50	0	21 0
52. 0	IC461		22 0
53. 4.9	1	1.5	23 4.3
54. 4.9	2	3.5	24 4.3
55. 4.9	3	12.2	25 4.3
56. 5.0	4	3.5	26 4.3
57. 5.0	5	1.5	27 4.3
58. 0	6	0	28 4.3
59. 3.7	7	0	29 0
60. 0.5	8	0.3	30 4.3
61. 0	9	22.1	31 4.3
62. 4.8	10	0.3	32 5.6
63. 0	11	NC	IC1402
64. 4.6	IC501		pin
IC002	pin	volt	volt
0	1	3.4	1 4.2
GND	2	7.9	2 4.3
GND	3	8.3	3 4.3
GND	4	-16.5	4 GND
GND	5	2.3	5 4.3
GND	6	5.0	6 4.3
GND	7	5.0	7 4.3
GND	8	8.7	8 8.7

KV-34V36K	KV-29V22T	KV-29V70T	KV-37V36T	KV-29V36K	KV-27V22
JW(5)	#	JW(5)	JW(5)	JW(5)	#
JW(5)	#	JW(5)	JW(5)	JW(5)	#
JW(5)	#	JW(5)	JW(5)	JW(5)	#
#	0 1	#	#	#	0 1
33 25V	22 25V	4 7	10	4.7	22 25V
0 0047	#	#	#	#	#
0 0047	#	#	#	#	#
#	1000 25V	#	1000 25V	#	1000 25V
#	1000 25V	#	1000 25V	#	1000 25V
220 16V	#	#	22	#	#
#	#	#	2.2	#	#
056 400V	.056 400V	056 400V	033 630V	.056 400V	.056 400V
.62 200V	.62 200V	.62 200V	.82 200V	.62 200V	.62 200V
001 500V	0022 500V	0022 500V	001 500V	.0022 500V	0022 500V
470 25V	470 25V	470 25V	1000 25V	470 25V	470 25V
470 25V	470 25V	470 25V	1000 25V	470 25V	470 25V
#	#	#	047 200V	#	#
#	#	- #	220P 2KV	#	#
0 0033	0 0022	0 0022	0 0022	0 0022	0.0022
0 0033	0 0022	0 0022	0 0022	0 0022	0.0022
0 0033	0 0022	0 0022	0 0022	0 0022	0.0022
0 0033	0 0022	0.0022	0.0022	0.0022	0.0022
12 200V	#	#	#	#	#
7P	4P	7P	4P	7P	4P
#	#	#	1P	#	#
20P	#	20P	20P	20P	#
5P	#	5P	8P	5P	#
SS133T-77	#	1SS133T-77	1SS133T-77	1SS133T-77	1SS133T-77
#	#	#	RGP02-17EL-6433	#	#
TDA8172	TDA8172	TDA8172	STV9379	TDA8172	TDA8172
0	#	0	0	0	#
0	0	0	#	0	0
#	0	#	#	#	0
#	0	#	#	#	0
0	0	0	#	0	0
10MM	#	10MM	10MM	10MM	10MM
7 5MM	#	#	7 5MM	7 5MM	#
56uH	10uH	18uH	220uH	18uH	10uH
#	#	#	10mH		
411-976-11	1-409-861-11	1-409-861-11	1-409-861-11	1-409-861-11	1-409-861-11
2SD601A-Q	#	2SD601A-Q	2SD601A-Q	2SD601A-Q	#
2SC5148	2SC4927-01	2SC4927-02	2SC5148	2SC4927-01	2SC4927-01
220	#	220	220	220	#
220	#	220	220	220	#
220	#	220	220	220	#
10K	#	10K	10K	10K	#
220	#	220	220	220	#
220	#	220	220	220	#
4 7K	#	4 7K	4 7K	4 7K	#
4 7K	#	4 7K	4 7K	4 7K	#
220	#	220	220	220	#
220	#	220	220	220	#
220	#	220	220	220	#
220	#	220	220	220	#
1K	#	1K	1K	1K	#
1 5K	#	1 5K	1 5K	1 5K	#
1K	#	1K	1K	1K	#
1K	#	1K	1K	1K	#
1 2	2 2	1 5	1 5	1 5	2 2
5 6K	1 8K	5 6K	2 2K	5 6K	1 8K
15K	#	#	#	#	#
5 6K	1 8K	5 6K	2 2K	5 6K	1 8K
15K	#	#	#	#	#
#	2 2K	#	2.2K	#	2.2K
#	2 2K	#	2 2K	#	2 2K
470	680	680	470	680	680
68 2W	56 2W	56 2W	100 2W	56 2W	56 2W
100	82	82	100	82	82
#	.68 1W	.68 1W	#	.68 1W	.68 1W
470	680	680	470	680	680
10K	10K	10K	8.2K	10K	10K
22K	22K	22K	18K	22K	22K
12K	20K	20K	12K	20K	20K
68K	24K	24K	220K	24K	24K
47K 1W	47K 1W	47K 1W	33K 1W	47K 1W	47K 1W
47 1/2W	47 1/2W	47 1/2W	4.7 3W	47 1/2W	47 1/2W
47 1/2W	47 1/2W	.47 1/2W	18 3W	47 1/2W	47 1/2W
#	#	#	0 47	#	#
#	#	#	22	#	#
22K	30K	30K	18K	30K	30K
#	#	#	3 3K 1W	#	#
10	8 2	8 2	10	8 2	8 2
#	#	#	220	#	#
424-545-11	1-424-545-11	1-424-545-11	1-429-408-11	1-424-545-11	1-424-545-11
598-969-00	8-598-969-00	8-598-969-00	1-439-520-11	8-598-969-00	8-598-969-00
#	#	#	1-413-059-00	#	#

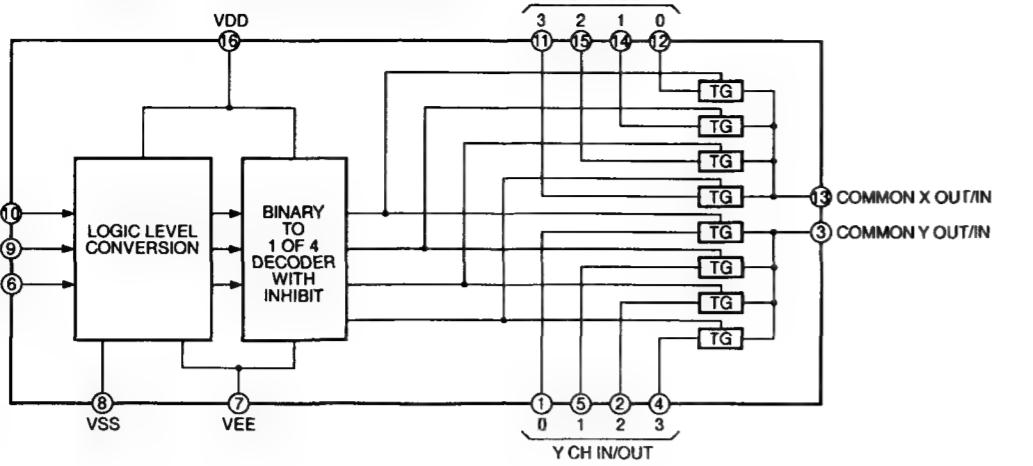


TRANSISTOR ST	
C	E
0.9	5.0
5.0	4.1
4.2	GND
GND	1.3
8.7	0
8.7	0
8.7	0
0	GND
0	GND
0	GND
8.7	5.1
5.0	5.0
GND	2.2
GND	1.8
GND	2.0
GND	-0.5
GND	5.6
8.7	0
8.7	2.0
0	GND
20.6	20.7
105.6	GND
130.8	GND
-13.0	-15.1
-22	-15.9
0	4.8
4.2	GND
2.9	GND
0.02	GND
0.4	134.7
9.2	5.3
2.5	GND
0	GND
0	GND

UV BOARD IC261 MM1313AD
(KV-29V36K/29V76T/34V36K/37V36T)



UV BOARD: IC154 CD4052BCN



UV BOARD MARK LIST

	KV-29V22T/27V22	KV-37V36T	KV-29V76T/29V28K	KV-34V36K
C236	# 0.047	0.047	0.047	0.047
C237	# 1	1	1	1
C238	# 1	1	1	1
C245	# 470 25V	470 25V	470 25V	470 25V
C246	# 0.47	0.47	0.47	0.47
C247	# 0.47	0.47	0.47	0.47
C281	# 0.047	0.047	0.047	0.047
C284	100 16V	470 25V	470 25V	470 25V
C285	47 16V	47 25V	47 25V	47 25V
C286	# 1	1	1	1
C287	# 1	1	1	1
C301	100 16V	470 16V	470 16V	470 16V
C302	# 470 16V	470 16V	470 16V	470 16V
C3351	1-473-548-11	1-467-856-11	1-467-856-11	1-467-856-11
CN281	# 11P	11P	11P	11P
CN283	# 3P	3P	3P	3P
D239	# MTZ-T-77-3.3	MTZ-T-77-3.3	MTZ-T-77-3.3	MTZ-T-77-3.3
D240	# RD10ES-T1B	RD10ES-T1B	RD10ES-T1B	RD10ES-T1B
D241	# RD10ES-T1B	RD10ES-T1B	RD10ES-T1B	RD10ES-T1B
D242	# RD10ES-T1B	RD10ES-T1B	RD10ES-T1B	RD10ES-T1B
D245	# MTZ-T-77-3.3	MTZ-T-77-3.3	MTZ-T-77-3.3	MTZ-T-77-3.3
D246	# MTZ-T-77-3.3	MTZ-T-77-3.3	MTZ-T-77-3.3	MTZ-T-77-3.3
D902				
IC261	MM1313AD	MM1313AD	MM1313AD	MM1313AD
J232	1-780-817-11 3P	1-780-817-11 3P	1-780-817-11 3P	1-780-817-11 3P
J232	1-774-747-11 2P	1-780-816-11 2P	1-780-816-11 2P	1-780-816-11 2P
J234	1-774-746-11 3P	1-780-817-11 3P	1-780-817-11 3P	1-780-817-11 3P
J235	# 1-750-517-11 3P	1-750-517-11 3P	1-750-517-11 3P	1-750-517-11 3P
J902	# SIRCS-JACK	SIRCS-JACK	SIRCS-JACK	SIRCS-JACK
J903	# SIRCS-JACK	SIRCS-JACK	SIRCS-JACK	SIRCS-JACK
J904	# SIRCS-JACK	SIRCS-JACK	SIRCS-JACK	SIRCS-JACK
JR233	0	# 2SD601A	2SD601A	2SD601A
Q232	# 2SD601A	2SD601A	2SD601A	2SD601A
Q235	# 2SD601A	2SD601A	2SD601A	2SD601A
Q236	# 2SD601A	2SD601A	2SD601A	2SD601A
Q241	# 2SB709A	2SB709A	2SB709A	2SB709A
Q242	# 2SB709A	2SB709A	2SB709A	2SB709A
Q261	# 2SD601A	2SD601A	2SD601A	2SD601A
R206	# 1K	1K	1K	1K
R207	# 0	0	0	0
R208	# 1K	1K	1K	1K
R209	# 6.8K	6.8K	6.8K	6.8K
R210	# 6.8K	6.8K	6.8K	6.8K
R219	# 4.7K	4.7K	4.7K	4.7K
R220	# 4.7K	4.7K	4.7K	4.7K
R221	# 470	470	470	470
R222	# 100	100	100	100
R224	# 100	100	100	100
R239	# 75	75	75	75
R240	# 470K	470K	470K	470K
R241	# 4.7K	4.7K	4.7K	4.7K
R242	# 470K	470K	470K	470K
R243	# 4.7K	4.7K	4.7K	4.7K
R252	# 56	56	56	56
R253	# 470K	470K	470K	470K
R254	# 470K	470K	470K	470K
R255	# 470K	470K	470K	470K
R258	# 560	560	560	560
R268	# 560	560	560	560
R275	# 4.7K	4.7K	4.7K	4.7K
R276	# 4.7K	4.7K	4.7K	4.7K
R278	# 4.7K	4.7K	4.7K	4.7K
R281	# 220	220	220	220
R291	# 100	100	100	100
R292	# 100	100	100	100
R293	# 100	100	100	100
R902	# 100	100	100	100
R919	# 0	0	0	0
R920	# 100	100	100	100
R921	# 100	100	100	100
R922	# 1K	1K	1K	1K
R923	# 1K	1K	1K	1K
R924	# 3.3K	3.3K	3.3K	3.3K
R925	# 3.3K	3.3K	3.3K	3.3K

NOT MOUNTED

UV BOARD IC VOLTAGE LIST

IC151	pin	volt	pin	volt
	1	4.4	12	4.4
	2	4.4	13	4.4
	3	4.4	14	4.4
	4	8.7	15	4.4
	5	4.4	16	8.7
	6	4.4	IC261	1.48
	7	4.4		2.42
	8	4.4		3.48
	9	4.4		4.42
	10	4.4		5.48
	11	GND		6.45
	12	4.4		7.48
	13	4.4		8.42
	14	4.4		9.48
	15	4.4		12.58
	16	4.4		16.42
	17	4.4		17.58
	18	4.4		18.42
	19	4.4		19.50
	20	4.9		20.49
	21	GND		21.44
	22	NC		22.44
	23	6.7		23.67
	24	NC		24.44
	25	4.2		25.42
	26	4.2		26.42
	27	6.1		27.61
	28	NC		28.44
	29	4.8		29.48
	30	GND		30.44
	31	5.6		31.56
	32	4.1		32.41
	33	4.1		33.41
	34	5.0		34.50
	35	NC		35.44
	36	4.2		36.42
	37	4.3		37.43
	38	8.7		38.87
	39	3.4		39.34
	40	4.2		40.42
	41	5.2		41.52
	42	4.2		42.42

UV BOARD TRANSISTOR VOLTAGE LIST

Q231	B	C	E
Q231	0	5.7	GND
Q232	0.2	4.0	GND
Q233	0	0	GND
Q234	0	0	GND
Q235	0	0	GND
Q236	0	0	GND
Q237	5.0	GND	5.7
Q238	4.1	GND	4.7
Q239	4.1	GND	4.7
Q240	4.4	GND	5.0
Q241	4.4	GND	5.0
Q242	4.3	GND	4.9
Q243	0.2	GND	0.9
Q244	4.6	6.7	4.0
Q261	4.6	5.7	4.2
Q262	4.9	5.7	4.2
Q263	3.4	GND	4.1
Q265	4.3	GND	4.9

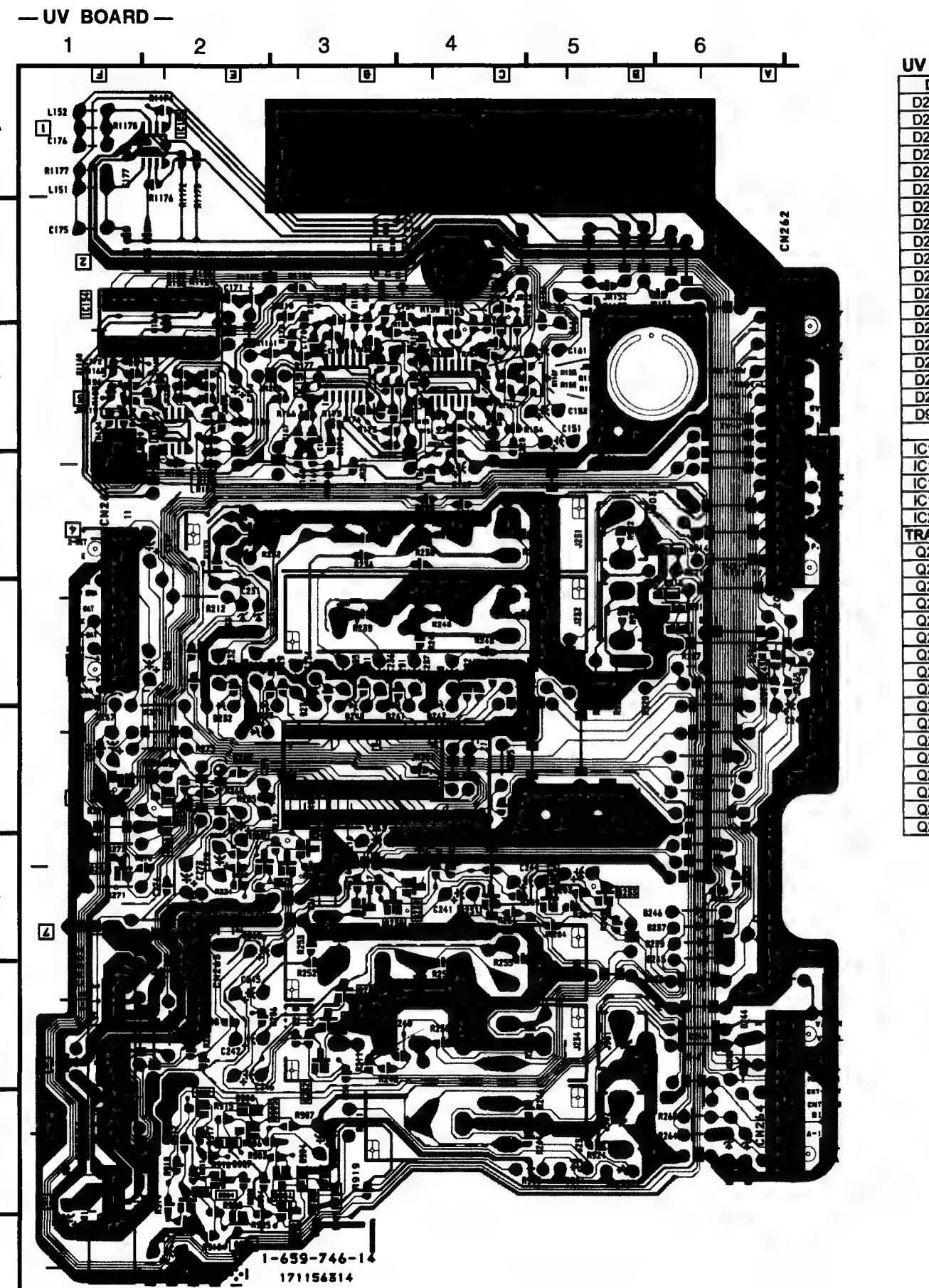
All voltages are in V

UV BOARD IC VOLTAGE LIST

IC152	pin	volt

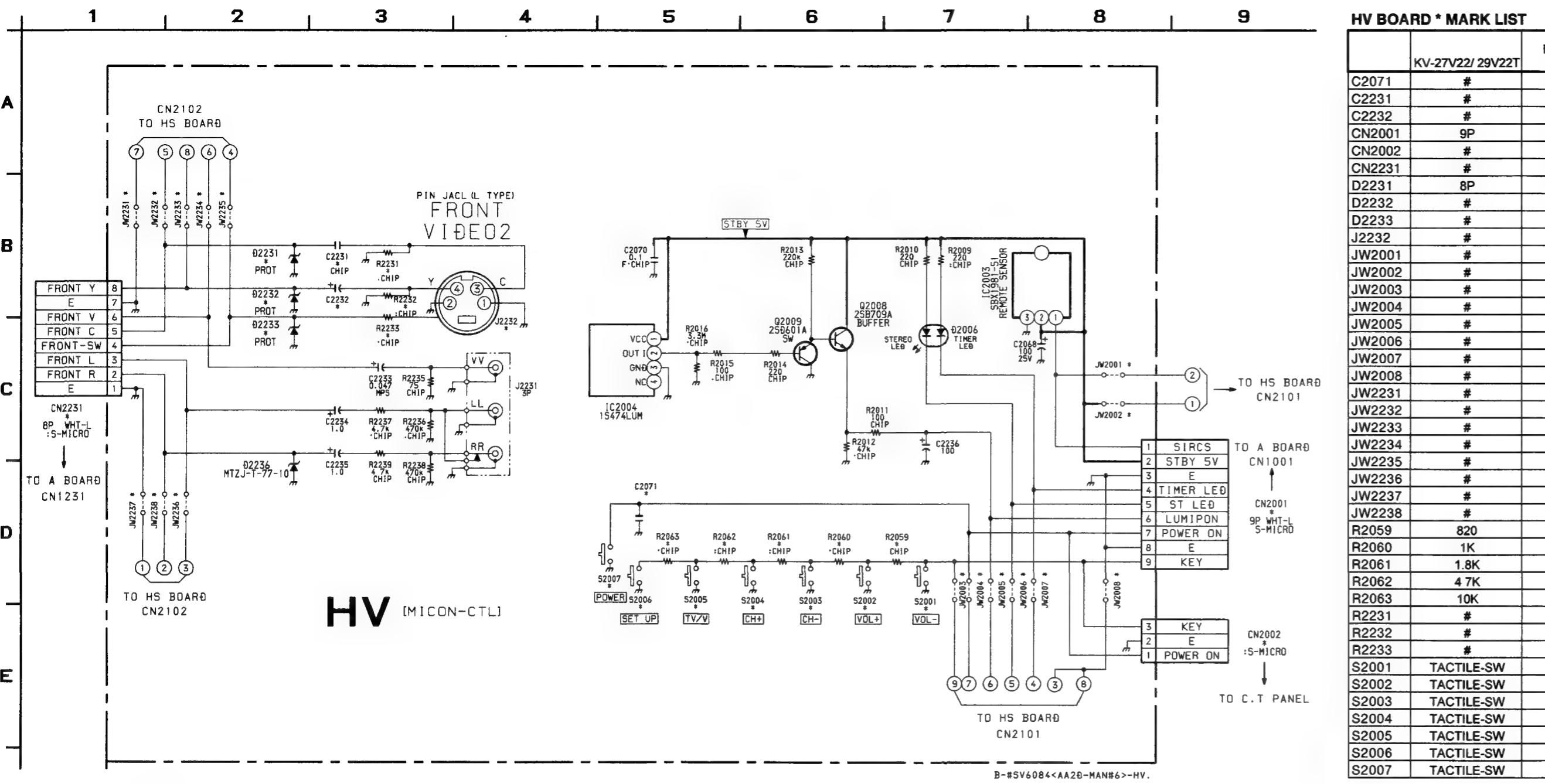
UV

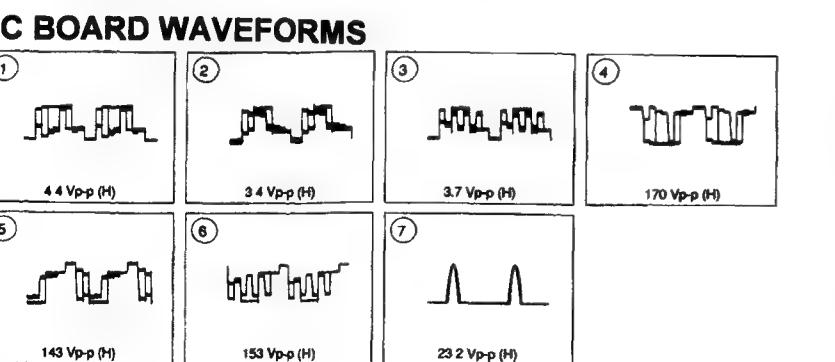
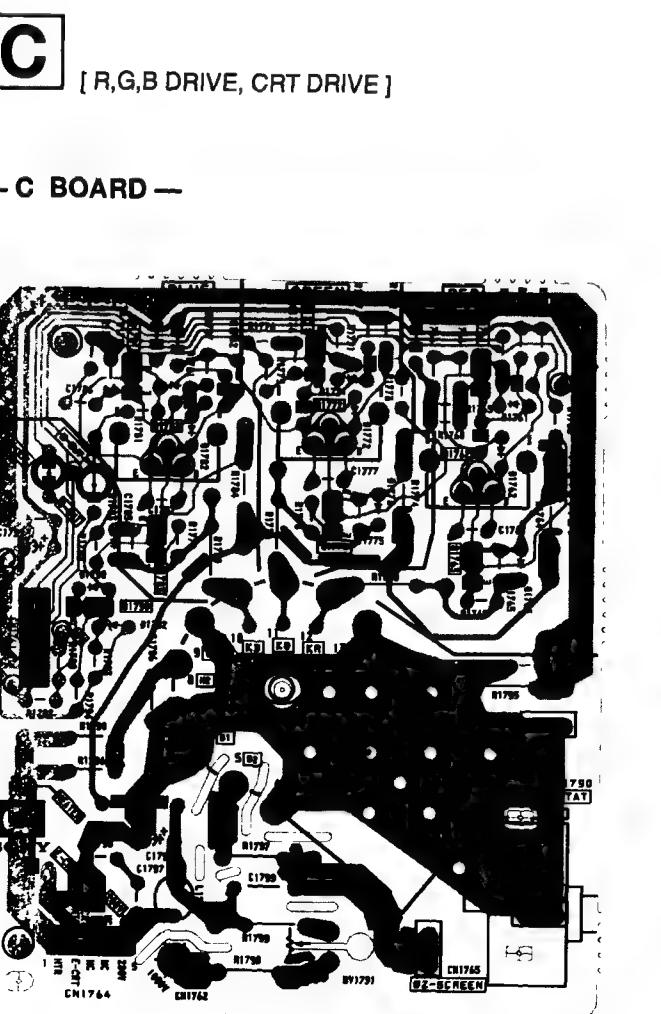
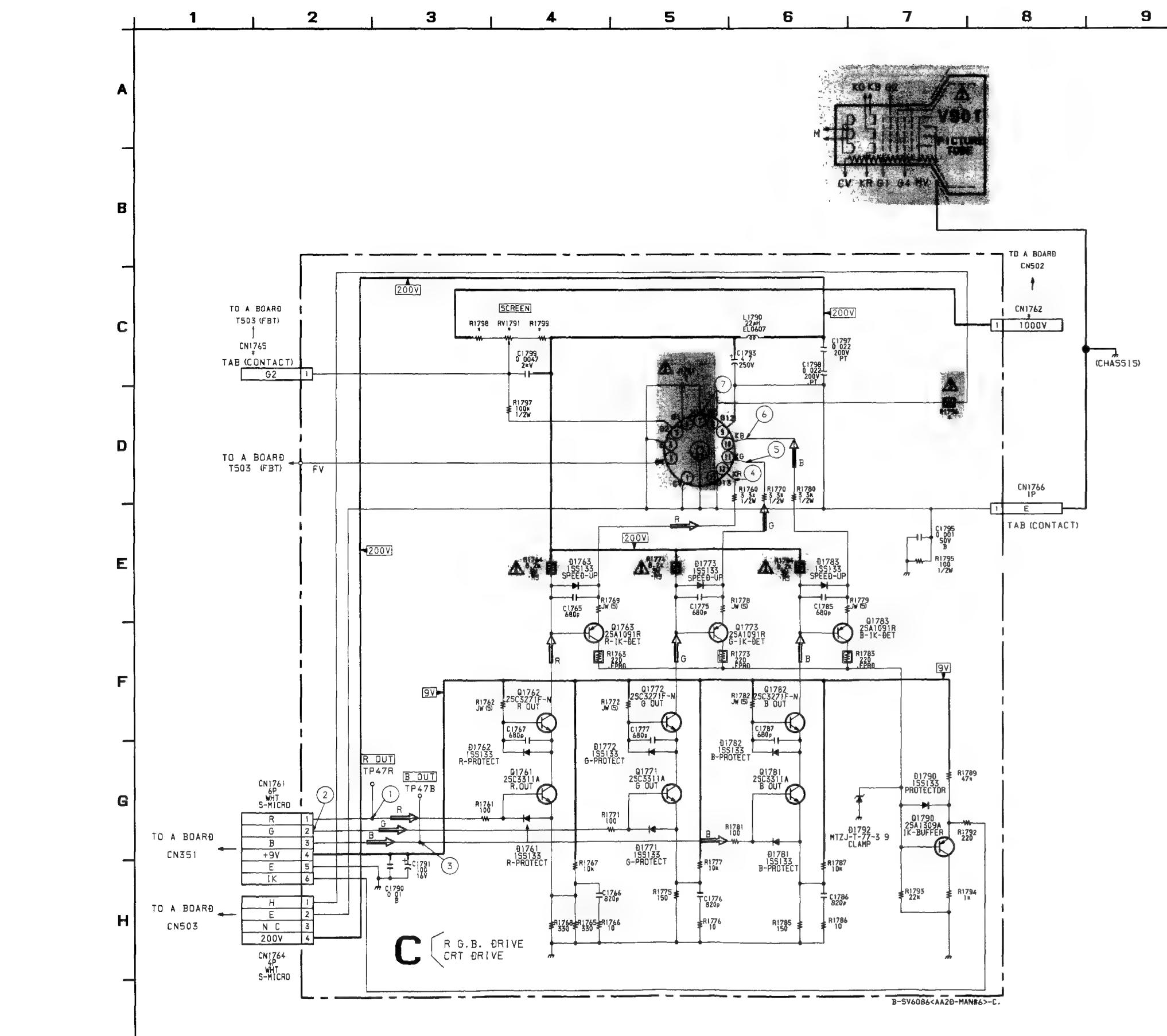
[SRS, AV-SW, AV-TERMINAL]

**UV BOARD****DIODE**

D231 E-2
D232 E-2
D233 E-2
D234 F-2
D235 E-2
D236 E-3
D237 G-6
D238 G-6
D239 G-6
D240 E-3
D241 E-3
D242 E-4
D243 G-6
D244 H-6
D245 G-6
D246 G-6
D264 I-6
D265 I-6
D902 I-5
IC
IC151 C-3
IC152 C-4
IC153 C-2
IC154 C-2
IC261 F-4
TRANSISTOR
Q231 G-4
Q232 H-3
Q233 G-5
Q234 G-5
Q235 H-3
Q236 H-3
Q237 G-3
Q238 G-3
Q239 G-4
Q240 G-2
Q241 G-3
Q242 G-3
Q243 E-6
Q261 F-1
Q262 G-1
Q263 F-2
Q265 F-2

IC





	B	C	E
Q1761	2.2	8.2	17
Q1762	8.7	134.1	8.2
Q1763	134.1	2.3	132.0
Q1771	1.8	8.2	13
Q1772	8.7	146.4	8.2
Q1773	146.4	2.3	144.1
Q1781	2.1	8.2	16
Q1782	8.7	133.7	8.2
Q1783	133.7	2.3	131.5
Q1790	2.2	0.2	2.5

All voltages are in V

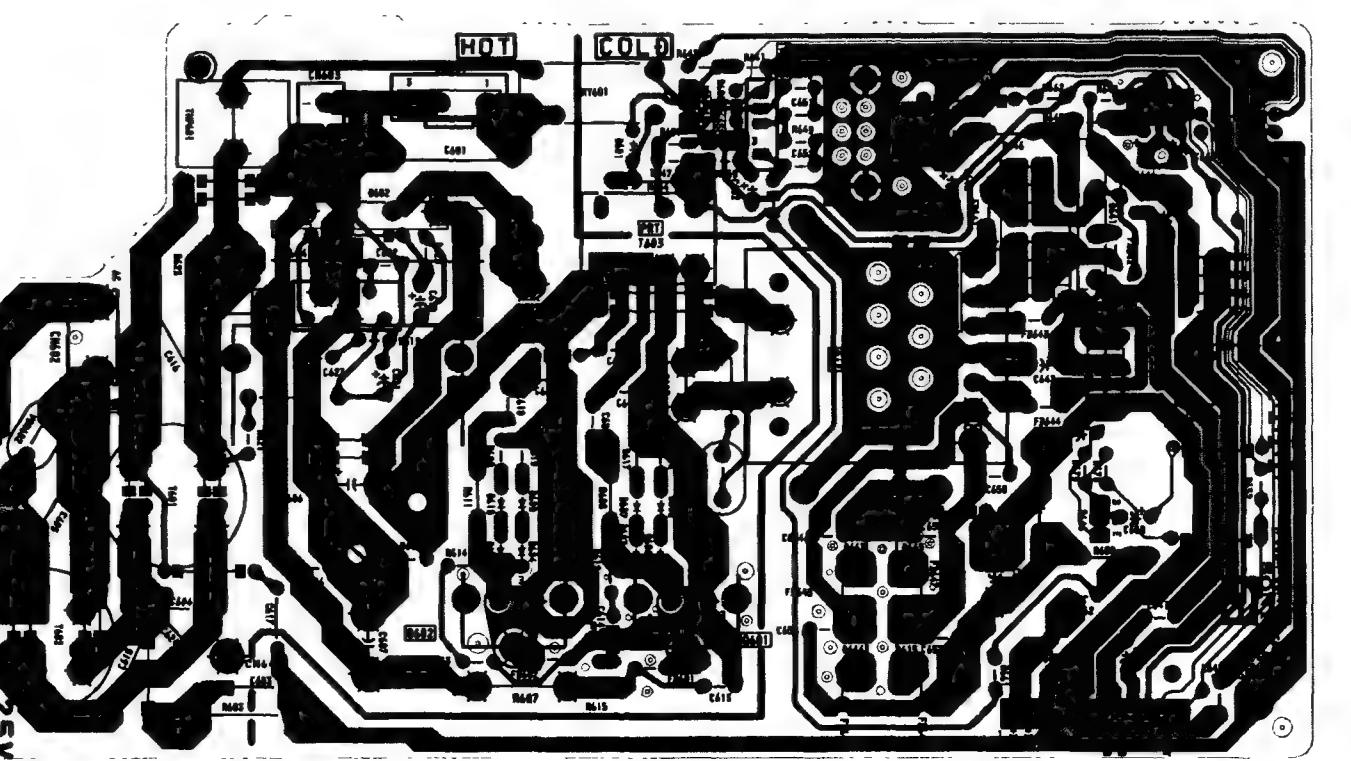
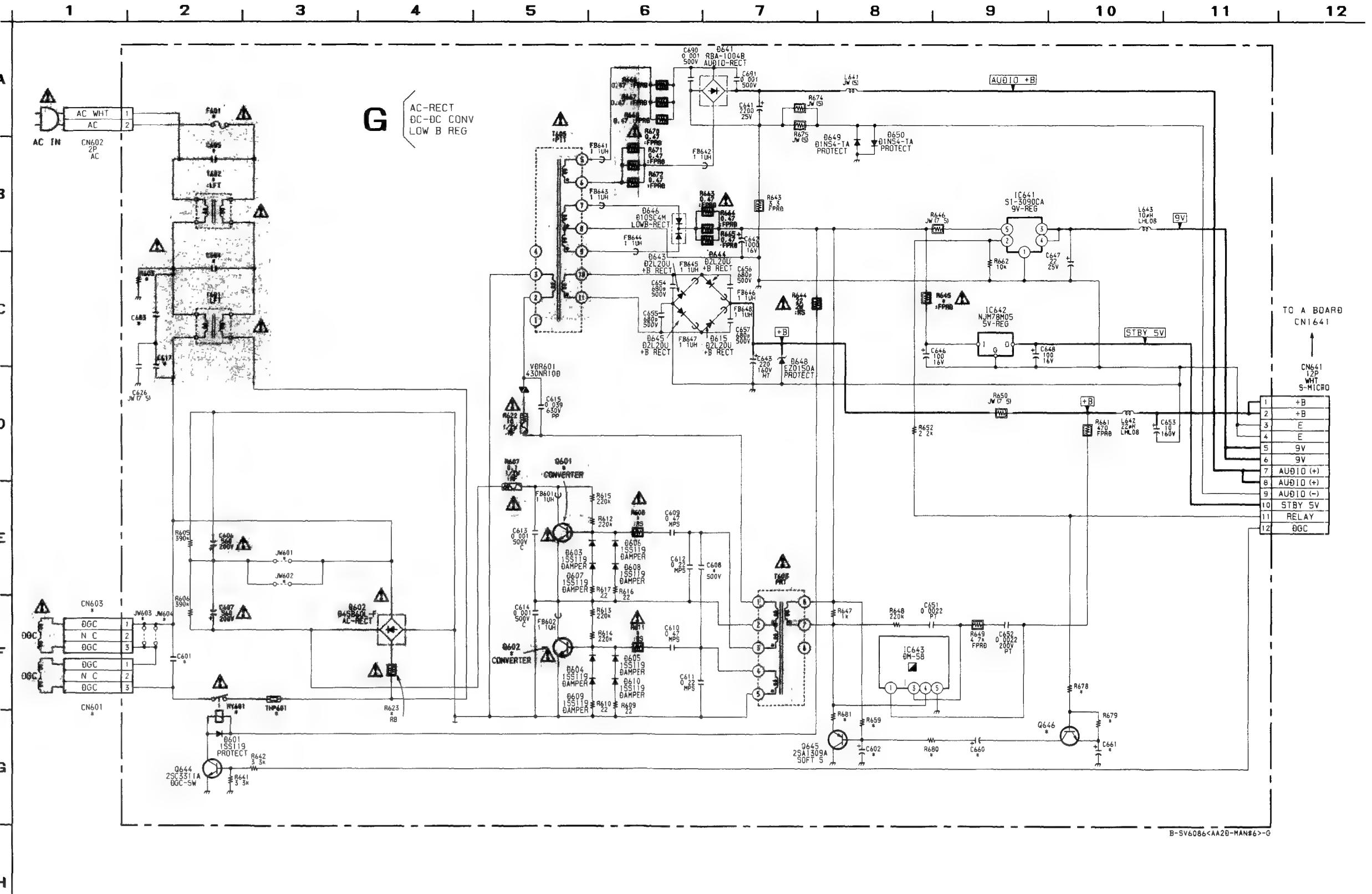
C BOARD * MARK LIST	
KV-27V22/29V22T/29V36K/34V36K	KV-37V36T
CN1762	#
CN1765	TAB
J1761	1-251-388-11
R1796	2.7 / 2W
R1798	#
R1799	100K .5W
RV1791	2.2M .5W

G BOARD TRANSISTOR VOLTAGE LIST				
Q601	B	C	E	147.5
Q602	-1.7	147.5	GND	
Q644	-0.3	10.5	GND	
Q645	7.0	GND	7.6	
Q646	4.8	7.4	4.8	

All voltages are in V

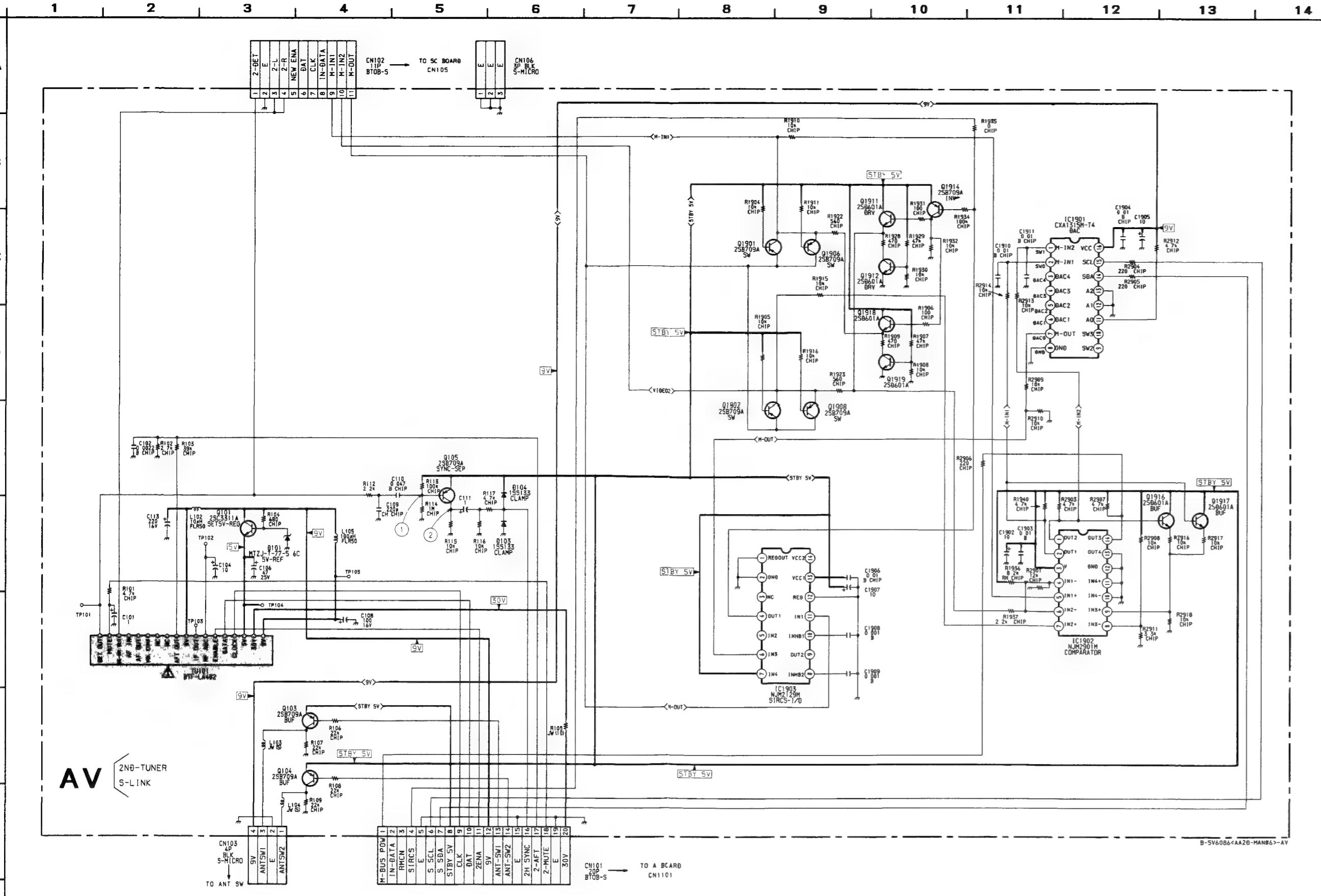
G BOARD IC VOLTAGE LIST				
IC641	pin	volt		
	1	GND		
	2	3.9		
	3	8.9		
	4	8.9		
	5	10.5		
IC642		IN 9.5		
		OUT 5.0		
IC643		1 135		
		2 NC		
		3 2.5		
		4 7.8		
		5 GND		

All voltages are in V



KV-27V22	KV-29V36K/34V36K	KV-29V22T/29V76T	KV-37V36T
C601	#	#	# .22 250V
C602	#	4.7	#
C603	1000P 250V	1000P 22 300V	1000P .22 125V
C604	.22 125V	.22 125V	.22 125V
C605	.22 125V	.22 125V	.22 125V
C608	680P 500V	1000P 500V	680P 500V
C617	1000P 250V	1000P 1000P	1000P JW(5)
C660	JW(5)	#	JW(5) JW(5)
C661	4.7	#	4.7 4.7
CN601	1-508-765-00	1-508-765-00	1-508-765-00 1-573-963-11
CN603	#	#	1-573-963-11
F601	6.3A 125V	6.3A 250V	6.3A 125V 6.3A 125V
JW601	5MM	#	5MM 5MM
JW602	5MM	#	5MM 5MM
JW603	5MM	#	5MM 5MM
JW604	5MM	5MM	5MM 5MM
Q601	2SC4834MNP	2SC4834MNP	2SC4834MNP 2SC4834MNP
Q602	2SC4834MNP	2SC4834MNP	2SC4834MNP 2SC4834MNP
Q646	2SC3311A	#	2SC3311A 2SC3311A
R603	2.2M 1/2W	8.2M 1W	2.2M 1/2W 2.2M 1/2W
R608	1.8 2W	1 2W	1.8 2W 1.8 2W
R611	1.8 2W	1 2W	1.8 2W 1.8 2W
R623	1 20W	3.9 20W	1 20W 1 20W
R645	JW(5)	10 1/2W	JW(5) JW(5)
R659	#	10K	#
R678	22K	#	22K 22K
R679	22K	#	22K 22K
R680	10K	#	10K 10K
R691	150	JW(5)	150 150
RY601	1-755-146-11	1-755-018-11	1-755-146-11 1-755-146-11
T602	1-424-220-11	1-426-717-11	1-426-717-11 1-426-717-11
THP601	1-809-539-11	1-809-827-11	1-809-539-11 1-809-827-11

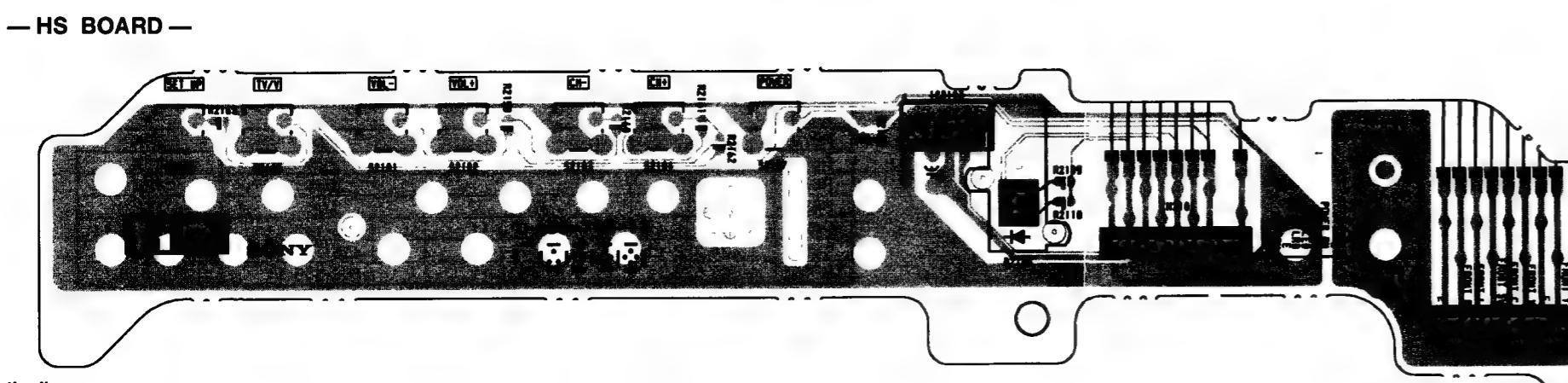
NOT MOUNTED



AV BOARD WAVEFORMS		
		16Vp-p (0)
		50Vp-p (H)

All voltages are in V

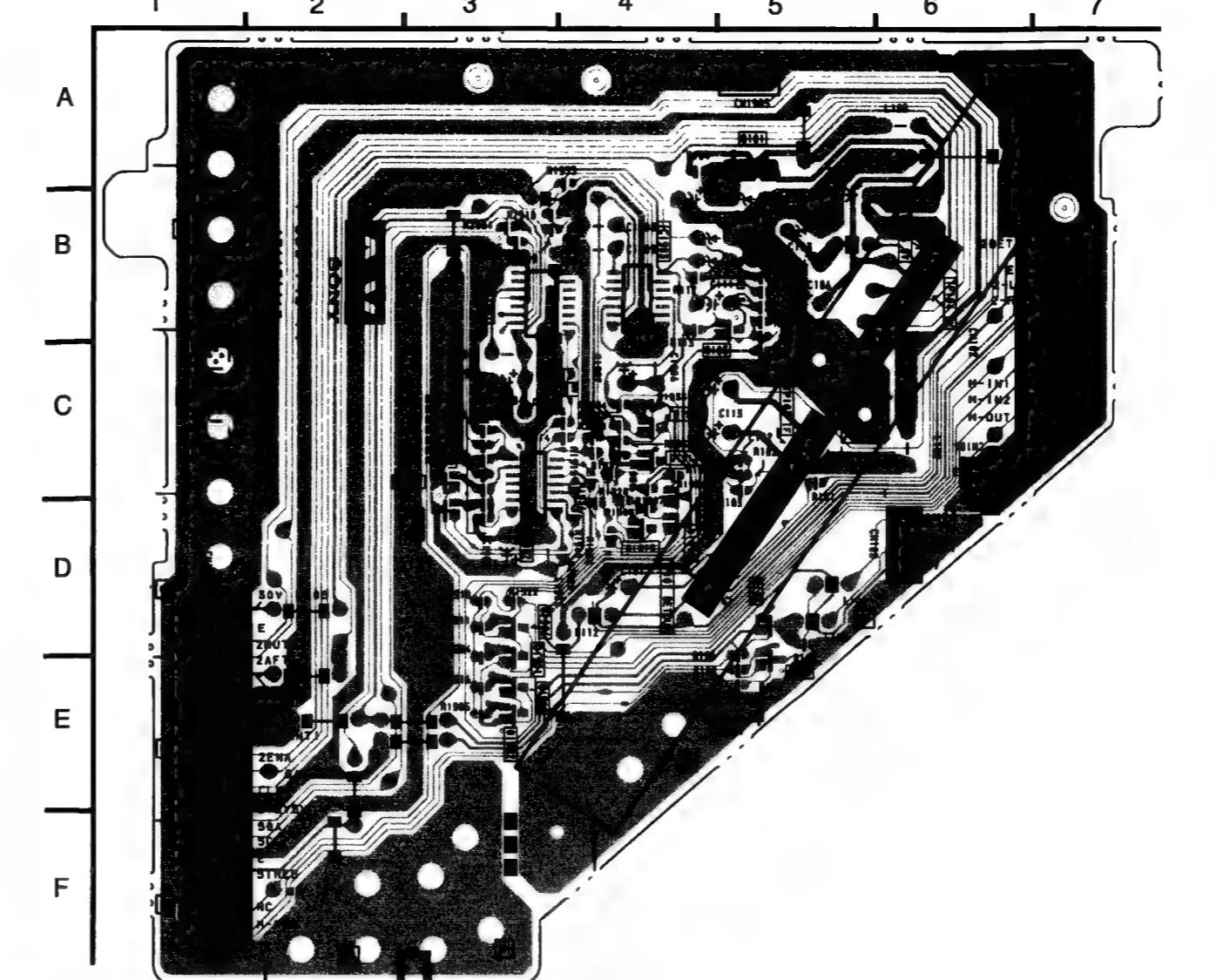
HS [MICON-CTL]
(KV-34V36K/37V36T)



Schematic diagrams

AV [2ND-TUNER, S-LINK]
(KV-29V36K/29V76T/34V36K/37V36T)

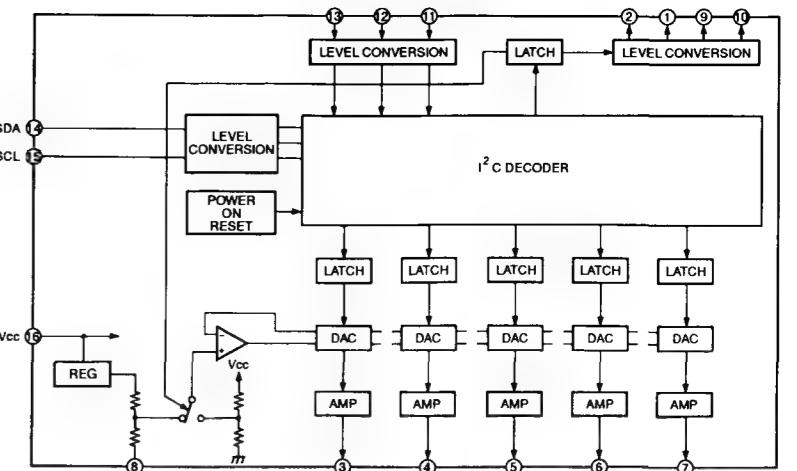
— AV BOARD —



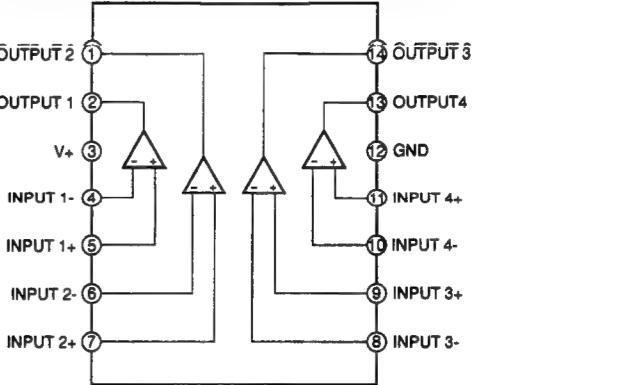
AV BOARD

DIODE	D101	B-5
D103	B-4	
IC	D104	B-4
IC1901	IC1901	B-3
IC1902	IC1902	C-3
IC1903	IC1903	B-4
TRANSISTOR		
Q101	Q101	A-5
Q103	Q103	D-5
Q104	Q104	D-5
Q105	Q105	B-4
Q1901	Q1901	D-3
Q1902	Q1902	E-3
Q1903	Q1903	D-3
Q1904	Q1904	E-3
Q1911	Q1911	C-4
Q1912	Q1912	C-4
Q1914	Q1914	C-4
Q1916	Q1916	C-3
Q1917	Q1917	C-3

AV BOARD: IC1901 CXA1315M



AV BOARD: IC1902 NJM2901M



K BOARD IC VOLTAGE LIST

IC1461	pin	volt
	1	1.5
	2	4.2
	3	12.2
	4	4.5
	5	1.5
	6	GND
	7	NC
	8	0.2
	9	22.1
	10	0.2
	11	NC

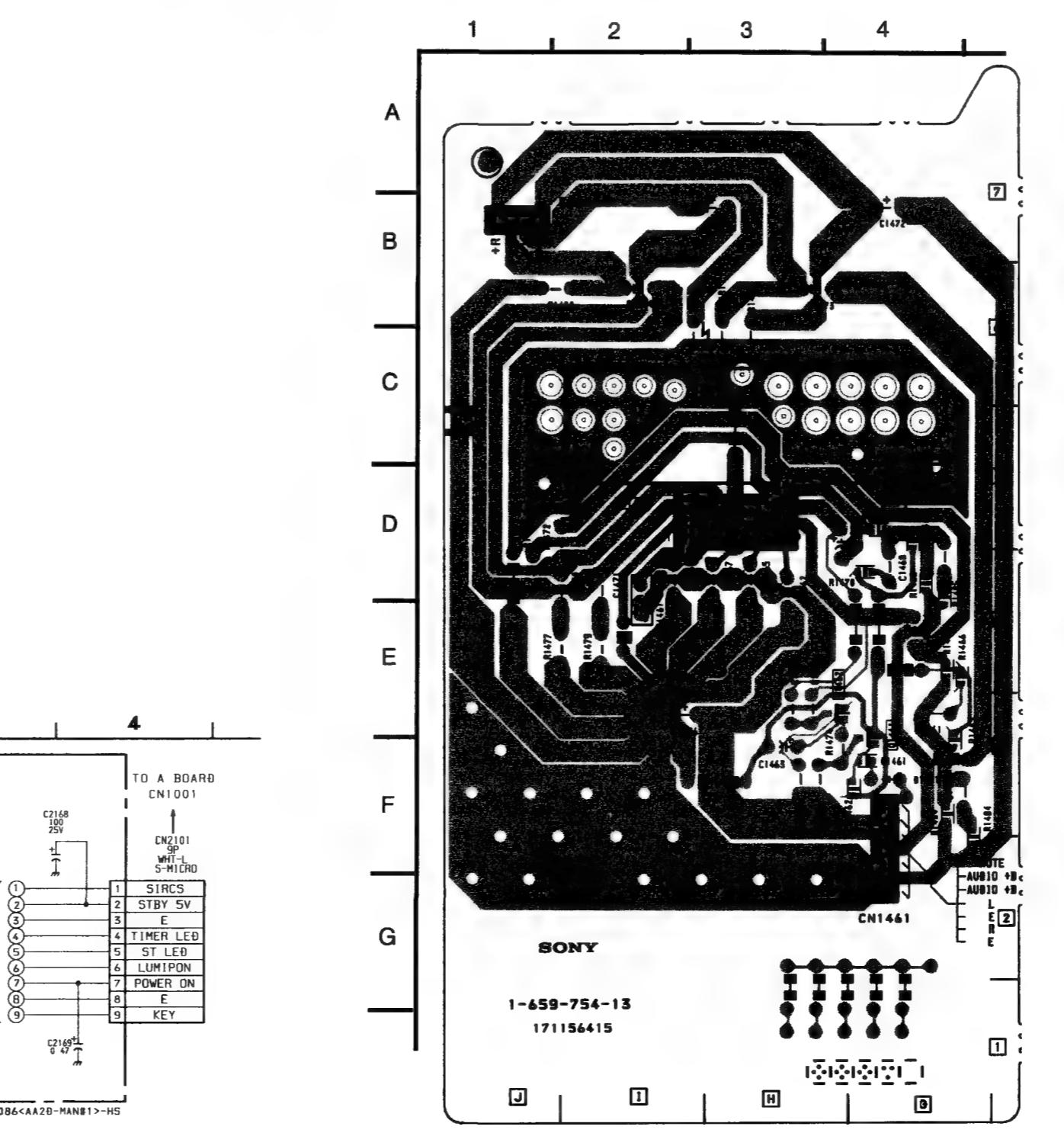
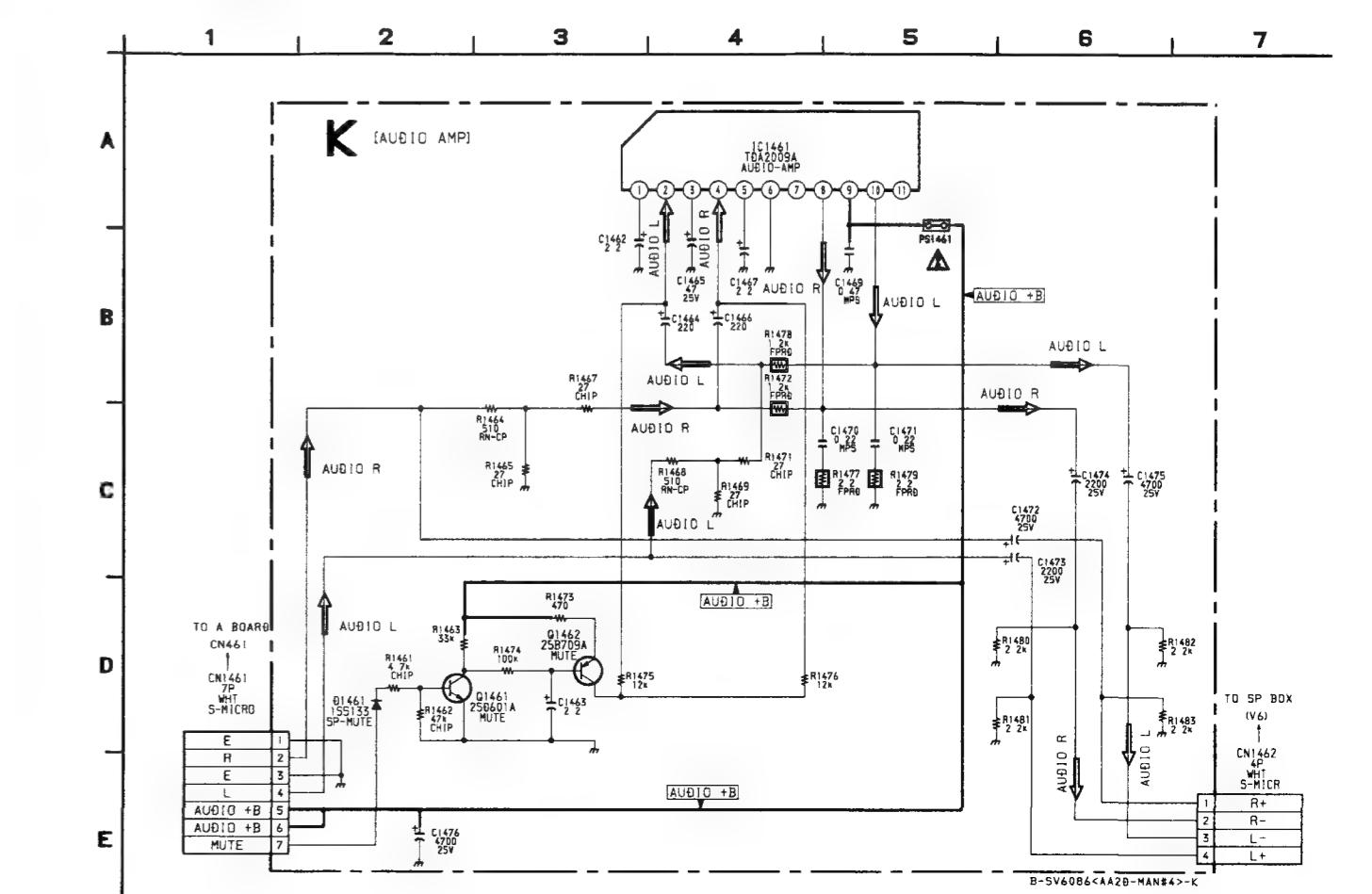
All voltages are in V

K BOARD TRANSISTOR VOLTAGE LIST

Q1461	B	C	E
	0.7	0	GND
Q1462	20.0	20.7	20.7

All voltages are in V

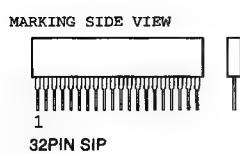
(KV-29V36K/29V76T/34V36K)



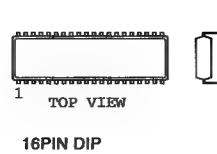
— 59 —

4-4. SEMICONDUCTORS

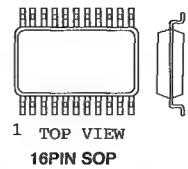
BH3856FS-E2



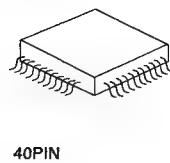
CD4052BCN



CXA1315M



CXA-2019Q-T4



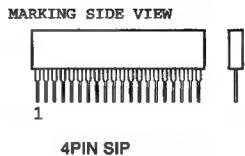
CXA2025AS



CXP85640-002S



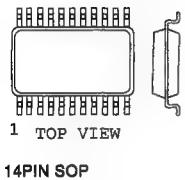
DM-58



IS474



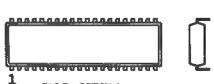
LM2901M



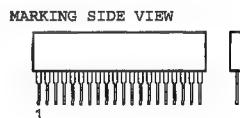
M5216P



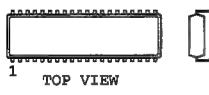
MM1313AD



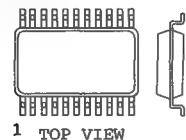
NJM2129M-TE2



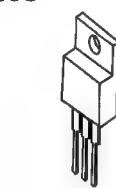
NJM2902M



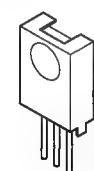
NJM2903M
NJM2904M
ST24CO2FM6TR
UPC4558G2



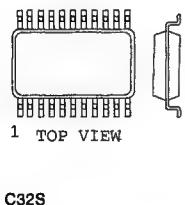
NJM78M05FA
TA7805S



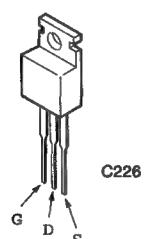
SBX1790-51



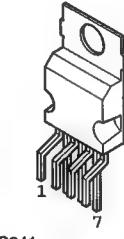
SDA9288X



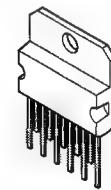
IRF614



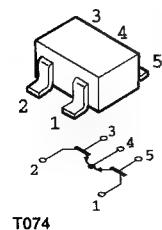
TDA8172



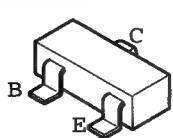
TDA2009A



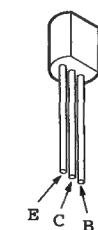
FMGAT148
2SC5418



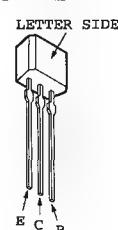
2SA1037AK-T146-R
2SA1162-G
2SA1130-06
2SD601A-Q

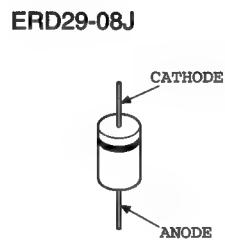
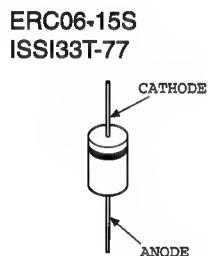
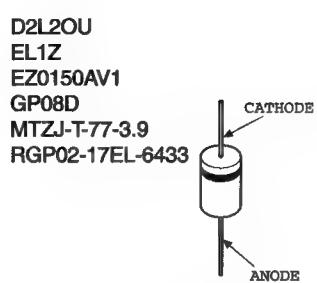
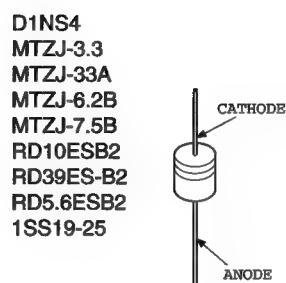
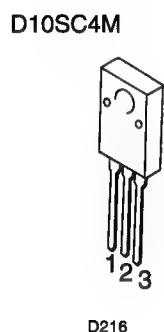
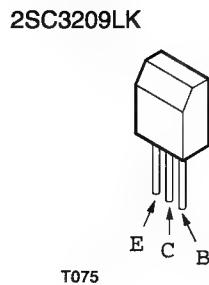
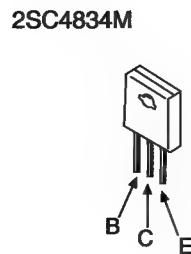
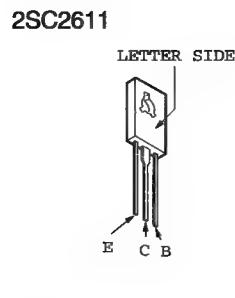
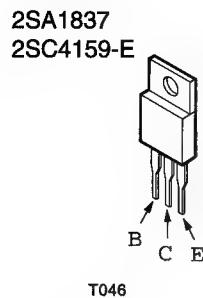


2SA1091-0



2SA1175-HFE
2SC2785-HFE





SECTION 5

EXPLODED VIEWS

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

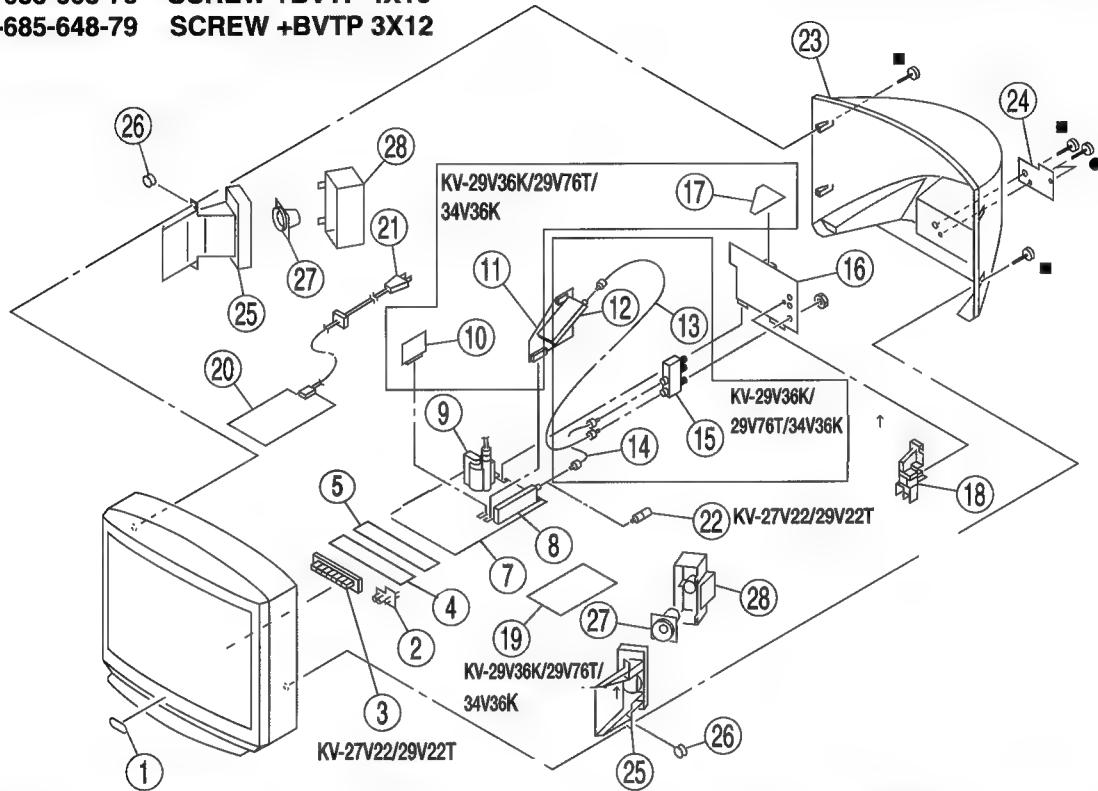
Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

5-1. CHASSIS (KV-27V22/29V22T/29V36K/29V76T/34V36K)

- 7-685-663-79 SCREW +BVTP 4X16
- 7-685-648-79 SCREW +BVTP 3X12



REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-046-160-01	EMBLEM (NO.9), SONY	
2	* 4-052-897-01	GUIDE, LED	
3	* 4-052-907-01	BUTTON, MULTI (KV-27V22/29V22T)	
4	* A-1372-337-A	HV BOARD, MOUNTED (KV-27V22/29V22T)	
4	* A-1372-346-A	HV BOARD, MOUNTED (KV-29V36K/29V76T)	
4	* A-1372-330-A	HV BOARD, MOUNTED (KV-34V36K)	
5	* A-1372-326-A	HS BOARD, MOUNTED (KV-34V36K)	
7	* A-1298-111-A	A BOARD, COMPLETE (KV-27V22)	
7	* A-1298-181-A	A BOARD, COMPLETE (KV-29V22T)	
7	* A-1298-182-A	A BOARD, COMPLETE (KV-29V76T)	
7	* A-1298-197-A	A BOARD, COMPLETE (KV-34V36K)	
7	* A-1298-198-A	A BOARD, COMPLETE (KV-29V36K)	
8	▲ 8-598-340-00	TUNER BTF-WA404 (KV-27V22)	
8	▲ 8-598-428-00	TUNER BTF-WL401 (KV-29V36K/34V36K)	
8	▲ 8-598-435-00	TUNER BTF-WG404 (KV-29V22T/29V76T)	
9	▲ 1-453-207-11	TRANSFORMER ASSY, FLYBACK (NX-2009/X4C)	
10	* A-1195-103-A	P BOARD, COMPLETE (KV-29V36K/29V76T/34V36K)	
11	* A-1297-720-A	AV BOARD, COMPLETE (KV-29V36K/29V76T/34V36K)	
12	▲ 8-598-339-00	TUNER BTF-LA402 (KV-29V36K/29V76T/34V36K)	
13	* 1-557-056-31	CABLE, P-P (KV-29V36K/29V76T/34V36K)	
13	* 1-556-945-21	CABLE, P-P (KV-34V36K)	
14	* 1-551-382-31	CABLE, P-P (KV-29V36K/29V76T)	
15	8-598-414-00	SWITCH, ANTENNA AS-2F (KV-29V36K/29V76T)	

REF.NO.	PART NO.	DESCRIPTION	REMARK
16	* A-1394-846-A	UV BOARD, COMPLETE (KV-34V36K)	
16	* A-1394-856-A	UV BOARD, COMPLETE (KV-27V22/29V22T)	
16	* A-1394-859-A	UV BOARD, COMPLETE (KV-29V36K/29V76T)	
17	* A-1390-585-A	SC BOARD, MOUNTED (KV-29V36K/29V76T/34V36K)	
18	* 4-052-905-01	BRACKET, V5/6 (KV-29V36K/29V76T/34V36K)	
19	* A-1380-518-A	K BOARD, COMPLETE (KV-29V36K/29V76T/34V36K)	
20	* A-1316-306-A	G BOARD, COMPLETE (KV-29V36K/34V36K)	
20	* A-1316-352-A	G BOARD, COMPLETE (KV-29V22T/29V76T)	
20	* A-1316-261-A	G BOARD, COMPLETE (KV-27V22)	
21	▲ 1-751-058-U	CORD POWER (WITH CONNECTOR) (KV-27V22/29V22T/29V76T)	
21	▲ 1-775-468-21	CORD POWER (WITH CONNECTOR) (KV-29V36K/34V36K)	
22	1-766-374-11	PLUG, F-PIN (KV-27V22/29V22T)	
23	4-053-784-03	COVER, REAR (KV-29V36K/29V76T)	
23	4-053-784-23	COVER, REAR (KV-27V22/29V22T)	
23	4-053-766-01	COVER, REAR (KV-34V36K)	
24	4-053-783-01	LABEL, TERMINAL (KV-27V22/29V22T)	
24	4-052-898-11	LABEL, TERMINAL (KV-29V36K/29V76T/34V36K)	
25	4-043-457-01	BAFFLE, SPEAKER	
26	4-374-745-31	CUSHION (A)	
27	1-504-524-11	SPEAKER (8CM) (KV-27V22/29V22T)	
27	1-505-326-11	SPEAKER (8CM) (KV-29V36K/29V76T/34V36K)	
28	X-4032-226-1	COVER ASSY, SPEAKER (KV-27V22/29V22T)	
28	X-4033-616-1	COVER ASSY, SPEAKER (KV-29V36K/29V76T/34V36K)	

5-2. PICTURE TUBE (KV-27V22/29V22T/29V36K/29V76T)

- The component parts of an assembly are indicated by the reference numbers in the remarks column.

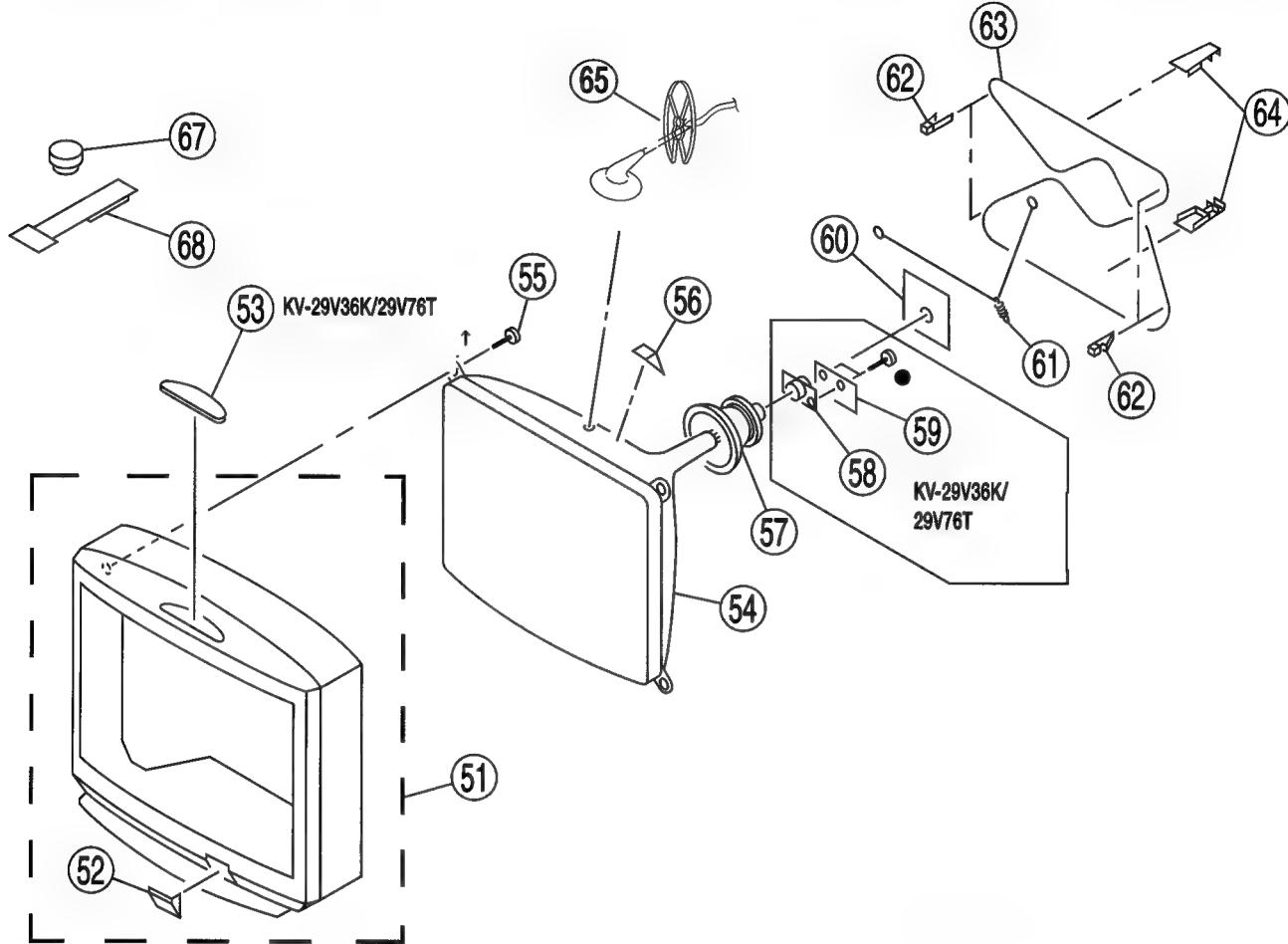
- 7-685-648-79 SCREW +BVTP 3X12

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF.NO.	PART NO.	DESCRIPTION	REMARK
51	X-4034-593-1	BEZNET ASSY (KV-27V22/29V22T)	52
51	X-4034-595-1	BEZNET ASSY (KV-29V36K/29V76T)	52
52	4-052-906-31	DOOR, CONTROL (KV-27V22/29V22T)	
52	4-052-906-51	DOOR, CONTROL (KV-29V36K/29V76T)	
53	1-473-549-11	SWITCH BLOCK, CONTROL (KV-29V36K/29V76T)	

55	4-041-268-01	SCREW (7), TAPPING
56	4-053-005-01	SPACER, DEFLECTION YOKE
57	A 8-491-275-42	DEFLECTION YOKE (Y207FA)
58	A 1-452-504-41	NECK ASSY, CRT (KV-29V36K/29V76T)

REF.NO.	PART NO.	DESCRIPTION	REMARK
59	*	A-1372-225 A WB BOARD, COMPLETE (KV-29V36K/29V76T)	
60	*	A-1331-549-A C BOARD, COMPLETE	
61	4-036-329-01	SPRING (B), TENSION	
62	4-040-388-01	HOLDER DGC, (S)	
63	A 1-403-215-01	HOLDER DGC, (M)	
64	4-040-387-01	HOLDER DGC, (M)	
65	3-704-372-31	HOLDER, HV CABLE	
67	1-452-032-00	MAGNET, DISC	
68	X-4306-312-0	PERMALLOY, CONVERGENCE	

5-3. PICTURE TUBE (KV-34V36K ONLY)

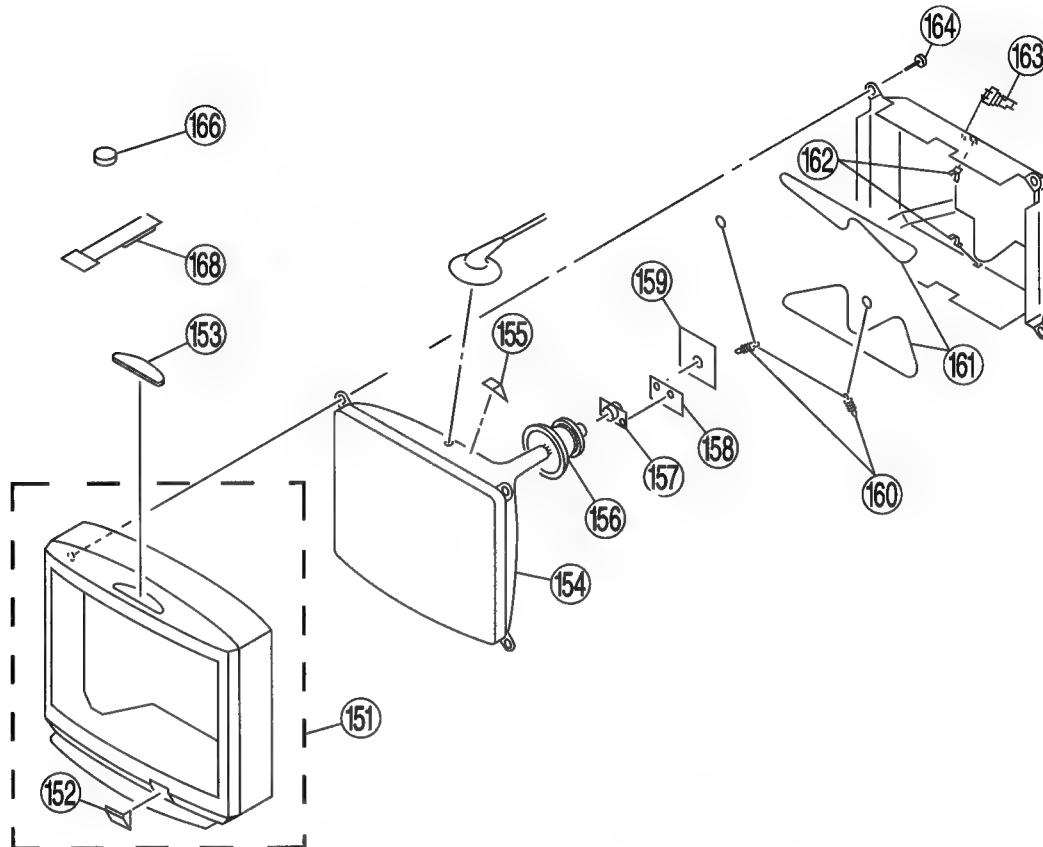
- The component parts of an assembly are indicated by the reference numbers in the remarks column.

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF.NO.	PART NO.	DESCRIPTION	REMARK
151	X-4034-597-1	BEZNET ASSY	152
152	4-052-906-51	DOOR, CONTROL	
153	1-473-549-11	SWITCH BLOCK, CONTROL	
155	4-053-005-01	SPACER, DEFLECTION YOKE	

156	8-451-482-21	DEFLECTION YOKE (V34FXA2-X)
157	1-452-579-21	NECK ASSY, CRT (V34FXA2)
158	A-1372-225-A	WB BOARD, COMPLETE
159	A-1331-549-A	C BOARD, COMPLETE
160	4-036-329-01	SPRING (B), TENSION

162	4-371-629-01	STOPPER WIRE
163	4-033-681-01	HOLDER, LEAD
164	4-041-268-01	SCREW (7), TAPPING
166	1-452-885-11	MAGNET, LANDING
168	4-051-737-21	PIECE A (100), CONV. CORRECT

5-4. CHASSIS (KV-37V36T ONLY)

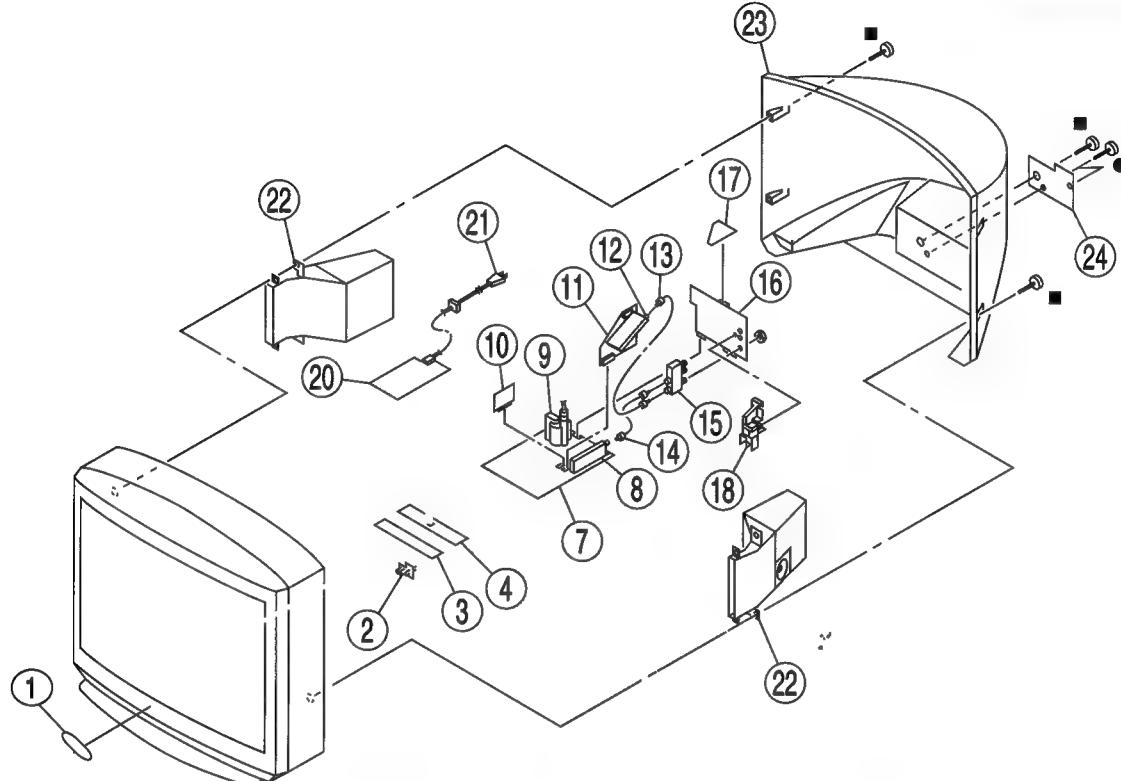
- 7-685-648-79 SCREW +BVTP 3X12
- 7-685-663-79 SCREW +BVTP 4X16

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF.NO.	PART NO.	DESCRIPTION	REMARK
1	4-046-160-01	EMBLEM (NO. 9) SONY	
2 *	4-052-897-01	GUIDE, LED	
3 *	A-1372-330-A	HV BOARD, COMPLETE	
4 *	A-1372-326-A	HS BOARD, COMPLETE	
7 *	A-1298-184-A	A BOARD, COMPLETE	
8 Δ	4-052-411-01	TUNER BTW-HC40	
9 Δ	4-052-126-11	TRANSFORMER ASSY, PLAYBACK (NY-4000A)	
10 *	A-1195-103-A	P BOARD, COMPLETE	
11 *	A-1297-720-A	AV BOARD, COMPLETE	
12 Δ	8-598-355-00	TUNER BTW-LAND	
13 *	1-551-382-31	CABLE, P-P	
14 *	1-557-056-31	CABLE, P-P	
15	8-598-414-00	ANTENNA SWITCH AS-2F	
16 *	A-1394-847-A	UV BOARD, COMPLETE	
17 *	A-1390-585-A	SC BOARD, COMPLETE	
18 *	4-052-905-01	BRACKET, V5/6	
20 *	A-1316-353-A	G BOARD, COMPLETE	
21	1-751-059-11	CORD, POWER (WITH CONNECTOR) 10A/125V	
22	1-505-684-11	SPEAKER UNIT, BOX TYPE-2 WAY	
23	4-052-903-01	COVER, REAR	
24	4-052-899-11	LABEL, TERMINAL	

5-5. PICTURE TUBE (KV-37V36T ONLY)

- The component parts of an assembly are indicated by the reference numbers in the remarks column.

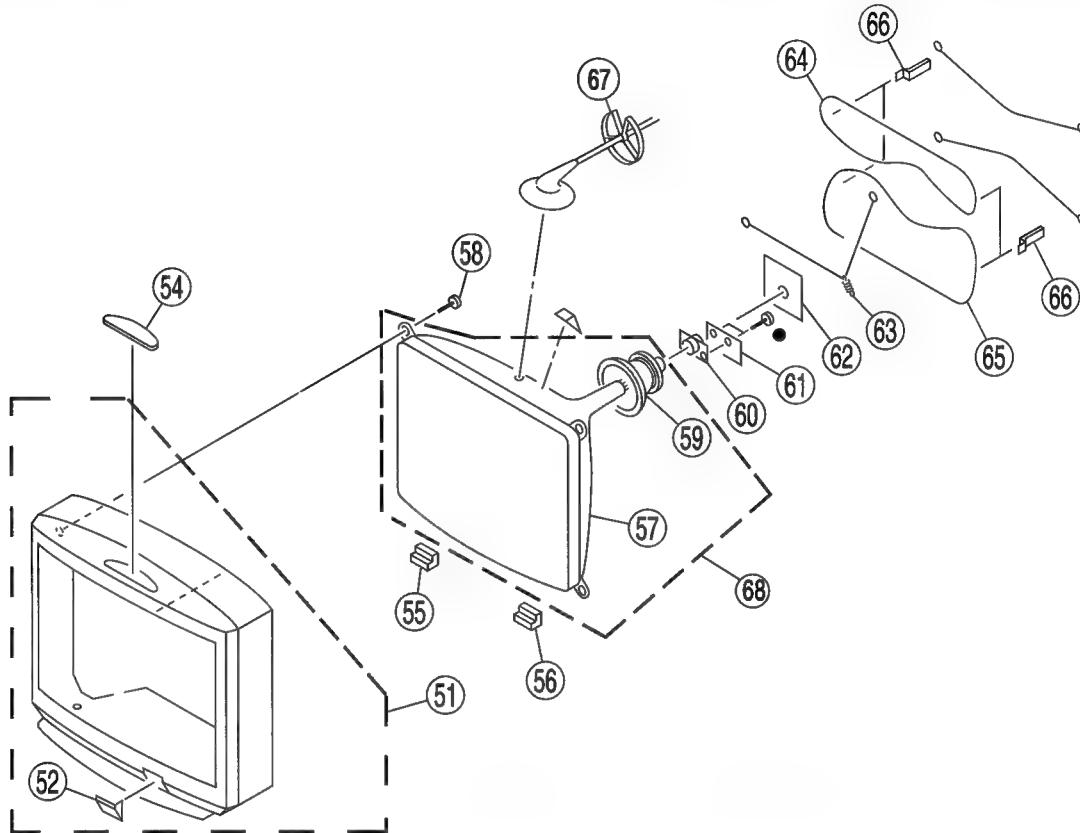
●: 7-685-648-79 +BVTP 3X12

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifies per un trame et une marque Δ sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.



<u>REF.NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>	<u>REMARK</u>
51	X-4034-522-1	BEZNET ASSY	52
52	4-052-906-51	DOOR, CONTROL	
54	1-473-549-11	SWITCH BLOCK, CONTROL	
55	4-052-902-01	CRT SUPPORT (L)	
56	4-052-901-01	CRT SUPPORT (R)	
57	8-733-780-05	CRT (A88LJ780X)	
58	4-046-765-01	SCREW, TAPPING	
59	8-451-480-11	DY (Y37GX-A)	
60	8-453-007-11	NA324-M	
61	*	A-1372-211-A WA BOARD, COMPLETE	
62	*	A-1331-522-A C BOARD, COMPLETE	
63	4-036-329-01	SPRING (B), TENSION	
64	1-411-881-11	COIL, DEMAGNETIC	
65	1-411-882-11	COIL, DEMAGNETIC	
66	*	4-052-900-01 HOLDER, DGC	
67	3-704-372-31	HOLDER, HV CABLE	
68	*	8-733-780-71 ITC 37GX-A1	57, 59

P**SECTION 6**
ELECTRICAL PARTS LIST**Note:**

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numero spécifié.

The components identified by \blacksquare in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

RESISTORS

- All resistors are in ohms
- F : nonflammable

CAPACITORS

- MF = μ F UH = μ H

INDUCTORS

MMH = mH

When indicating parts by reference number, please include the board name.

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK								
P																	
* A-1195-103-A P BOARD, COMPLETE (KV-29V36K/29V76T/34V36K/37V36T)																	
CAPACITOR																	
C3301	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C3340	1-163-031-11	CERAMIC CHIP	0.01MF		50V						
C3302	1-164-346-11	CERAMIC CHIP	1MF		16V	C3346	1-163-251-11	CERAMIC CHIP	100PF	5%	50V						
C3303	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C3347	1-126-960-11	ELECT	1MF	20%	50V						
C3304	1-126-960-11	ELECT	1MF	20%	50V	C3348	1-126-967-11	ELECT	47MF	20%	16V						
C3305	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C3349	1-163-121-00	CERAMIC CHIP	150PF	5%	50V						
C3306	1-126-967-11	ELECT	47MF	20%	16V	C3350	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V						
C3307	1-163-038-91	CERAMIC CHIP	0.1MF		25V	C3351	1-163-251-11	CERAMIC CHIP	100PF	5%	50V						
C3308	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	CONNECTOR											
C3309	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	CN3301	1-764-816-11	CONNECTOR, BOARD TO BOARD 20P									
C3310	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V	IC											
C3313	1-163-038-91	CERAMIC CHIP	0.1MF		25V	IC3301	8-759-366-24	IC TDA8315T/N3A-T									
C3314	1-163-038-91	CERAMIC CHIP	0.1MF		25V	IC3302	8-759-231-53	IC TA7805S									
C3315	1-164-346-11	CERAMIC CHIP	1MF		16V	IC3303	8-759-438-61	IC SDA9288X-A141									
C3319	1-163-031-11	CERAMIC CHIP	0.01MF		50V	COIL											
C3320	1-126-960-11	ELECT	1MF	20%	50V	L3301	1-408-413-00	INDUCTOR	22UH								
C3321	1-163-239-11	CERAMIC CHIP	33PF	5%	50V	L3302	1-410-473-11	INDUCTOR	18UH								
C3322	1-163-239-11	CERAMIC CHIP	33PF	5%	50V	L3303	1-408-418-00	INDUCTOR	56UH								
C3323	1-163-031-11	CERAMIC CHIP	0.01MF		50V	TRANSISTOR											
C3324	1-126-967-11	ELECT	47MF	20%	16V	Q3301	8-729-422-27	TRANSISTOR 2SD601A-Q									
C3325	1-163-038-91	CERAMIC CHIP	0.1MF		25V	Q3305	8-729-216-22	TRANSISTOR 2SA1162-G									
C3326	1-163-038-91	CERAMIC CHIP	0.1MF		25V	Q3306	8-729-216-22	TRANSISTOR 2SA1162-G									
C3327	1-163-038-91	CERAMIC CHIP	0.1MF		25V	Q3307	8-729-216-22	TRANSISTOR 2SA1162-G									
C3328	1-126-967-11	ELECT	47MF	20%	16V	Q3308	8-729-422-27	TRANSISTOR 2SD601A-Q									
C3329	1-126-967-11	ELECT	47MF	20%	16V	Q3310	8-729-422-27	TRANSISTOR 2SD601A-Q									
C3330	1-163-031-11	CERAMIC CHIP	0.01MF		50V	Q3312	8-729-216-22	TRANSISTOR 2SA1162-G									
C3331	1-126-967-11	ELECT	47MF	20%	16V	Q3313	8-729-120-28	TRANSISTOR 2SC1623-L5L6									
C3332	1-104-664-11	ELECT	47MF	20%	25V	RESISTOR											
C3333	1-164-695-11	CERAMIC CHIP	0.0022MF	5%	50V	R3301	1-216-075-00	METAL GLAZE	12K	5%	1/10W						
C3334	1-163-031-11	CERAMIC CHIP	0.01MF		50V	R3302	1-216-043-91	METAL GLAZE	560	5%	1/10W						
C3335	1-163-038-91	CERAMIC CHIP	0.1MF		25V	R3303	1-216-295-91	CONDUCTOR, CHIP	(2012)								
C3336	1-163-038-91	CERAMIC CHIP	0.1MF		25V	R3304	1-216-043-91	METAL GLAZE	560	5%	1/10W						
C3337	1-164-005-11	CERAMIC CHIP	0.47MF		25V	R3306	1-215-882-00	METAL OXIDE	22	5%	2W F						
C3338	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V	R3307	1-216-097-91	METAL GLAZE	100K	5%	1/10W						
						R3308	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W						

Note: The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

P **AV**

REF.NO.	PART NO.	DESCRIPTION	REMARK		
R3309	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R3310	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R3311	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R3312	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3313	1-216-041-00	METAL GLAZE	470	5%	1/10W

R3314	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3315	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3316	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3319	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3321	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3322	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R3323	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R3324	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R3326	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3327	1-216-031-00	METAL GLAZE	180	5%	1/10W

R3328	1-216-037-00	METAL GLAZE	330	5%	1/10W
R3329	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R3330	1-216-035-00	METAL GLAZE	270	5%	1/10W
R3331	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R3332	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3337	1-216-033-00	METAL GLAZE	220	5%	1/10W
R3338	1-216-033-00	METAL GLAZE	220	5%	1/10W
R3339	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3340	1-216-041-00	METAL GLAZE	470	5%	1/10W
R3341	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W

R3342	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R3343	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3346	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R3351	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R3352	1-216-049-91	METAL GLAZE	1K	5%	1/10W

R3358	1-216-047-91	METAL GLAZE	820	5%	1/10W
R3359	1-216-047-91	METAL GLAZE	820	5%	1/10W
R3360	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3361	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R3362	1-216-029-00	METAL GLAZE	150	5%	1/10W

R3363	1-216-031-00	METAL GLAZE	180	5%	1/10W
R3364	1-216-035-00	METAL GLAZE	270	5%	1/10W
R3365	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R3366	1-216-105-91	METAL GLAZE	220K	5%	1/10W
R3367	1-216-095-00	METAL GLAZE	82K	5%	1/10W

CRYSTAL

X3301	1-567-505-11	OSCILLATOR, CRYSTAL
X3302	1-760-095-21	VIBRATOR, CRYSTAL

REF.NO. **PART NO.** **DESCRIPTION** **REMARK**

AV —

* A-1297-720-A AV BOARD, COMPLETE
(KV-29V36K/29V76T/34V36K/37V36T)

CAPACITOR

C101	1-126-960-11	ELECT	1MF	20%	50V
C102	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C104	1-126-964-11	ELECT	10MF	20%	50V
C106	1-104-664-11	ELECT	47MF	20%	25V
C108	1-126-933-11	ELECT	100MF	20%	16V
C109	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
C110	1-104-760-11	CERAMIC CHIP	0.047MF	10%	50V
C111	1-126-960-11	ELECT	1MF	20%	50V
C113	1-126-934-11	ELECT	220MF	20%	16V
C1902	1-126-964-11	ELECT	10MF	20%	50V
C1903	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1904	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1905	1-126-964-11	ELECT	10MF	20%	50V
C1906	1-102-129-00	CERAMIC	0.01MF	10%	50V
C1907	1-126-964-11	ELECT	10MF	20%	50V
C1908	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1909	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1910	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C1911	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V

CONNECTOR

CN101	1-573-301-21	CONNECTOR, BOARD TO BOARD 20P
CN102	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P
CN103	1-564-507-11	PLUG, CONNECTOR 4P
CN106	1-564-506-11	PLUG, CONNECTOR 3P

DIODE

D101	8-719-109-89	DIODE RD5.6ESB2
D103	8-719-991-33	DIODE 1SS133T-77
D104	8-719-991-33	DIODE 1SS133T-77

IC

IC1901	8-752-058-68	IC CXA1315M
IC1902	8-759-981-61	IC LM2901M
IC1903	8-759-356-27	IC NJM2129M-TE2

COIL

L102	1-410-470-11	INDUCTOR	10UH
L105	1-408-421-00	INDUCTOR	100UH

AV**A**

Note:

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK				
TRANSISTOR											
Q101	8-729-119-78	TRANSISTOR 2SC2785-HFE		R1934	1-216-097-91	METAL GLAZE	100K 5% 1/10W				
Q103	8-729-216-22	TRANSISTOR 2SA1162-G		R1935	1-216-295-91	CONDUCTOR, CHIP	(2012)				
Q104	8-729-216-22	TRANSISTOR 2SA1162-G		R1936	1-208-804-11	METAL GLAZE	8.2K 0.50% 1/10W				
Q105	8-729-216-22	TRANSISTOR 2SA1162-G		R1937	1-208-790-11	METAL GLAZE	2.2K 0.50% 1/10W				
Q1901	8-729-216-22	TRANSISTOR 2SA1162-G		R1940	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
Q1902	8-729-216-22	TRANSISTOR 2SA1162-G		R2901	1-208-808-11	METAL GLAZE	12K 0.50% 1/10W				
Q1906	8-729-216-22	TRANSISTOR 2SA1162-G		R2903	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
Q1908	8-729-216-22	TRANSISTOR 2SA1162-G		R2904	1-216-033-00	METAL GLAZE	220 5% 1/10W				
Q1911	8-729-422-27	TRANSISTOR 2SD601A-Q		R2905	1-216-033-00	METAL GLAZE	220 5% 1/10W				
Q1912	8-729-422-27	TRANSISTOR 2SD601A-Q		R2906	1-216-033-00	METAL GLAZE	220 5% 1/10W				
Q1914	8-729-216-22	TRANSISTOR 2SA1162-G		R2907	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W				
Q1916	8-729-422-27	TRANSISTOR 2SD601A-Q		R2908	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
Q1917	8-729-422-27	TRANSISTOR 2SD601A-Q		R2909	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
Q1918	8-729-422-27	TRANSISTOR 2SD601A-Q		R2910	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
Q1919	8-729-422-27	TRANSISTOR 2SD601A-Q		R2911	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W				
RESISTOR											
R101	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R2912	1-249-425-11	CARBON	4.7K 5% 1/4W				
R102	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R2913	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R103	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R2914	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R104	1-216-045-00	METAL GLAZE	680 5% 1/10W	R2916	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R106	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R2917	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R107	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R2918	1-216-073-00	METAL GLAZE	10K 5% 1/10W				
R108	1-216-081-00	METAL GLAZE	22K 5% 1/10W	TUNER							
R109	1-216-081-00	METAL GLAZE	22K 5% 1/10W	BOARD							
R112	1-249-421-11	CARBON	2.2K 5% 1/4W	A							
R113	1-216-097-91	METAL GLAZE	100K 5% 1/10W	<ul style="list-style-type: none"> * A-1298-111-A A BOARD, COMPLETE (KV-27V22) * A-1298-181-A A BOARD, COMPLETE (KV-29V22T) * A-1298-182-A A BOARD, COMPLETE (KV-29V76T) * A-1298-184-A A BOARD, COMPLETE (KV-37V36T) * A-1298-197-A A BOARD, COMPLETE (KV-34V36K) * A-1298-198-A A BOARD, COMPLETE (KV-29V36K) 							
R114	1-216-121-91	METAL GLAZE	1M 5% 1/10W	<ul style="list-style-type: none"> * 4-051-927-01 CASE, SHIELD * 4-382-854-11 SCREW (M3X10), P, SW (+) 							
R115	1-216-073-00	METAL GLAZE	10K 5% 1/10W	CAPACITOR							
R116	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C001	1-163-259-91	CERAMIC CHIP	220PF 5% 50V				
R117	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	C003	1-104-760-11	CERAMIC CHIP	0.047MF 10% 50V				
R1904	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C005	1-126-960-11	ELECT	1MF 20% 50V				
R1905	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C009	1-126-967-11	ELECT	47MF 20% 50V				
R1906	1-216-025-91	METAL GLAZE	100 5% 1/10W	C010	1-163-033-91	CERAMIC CHIP	0.022MF 50V				
R1907	1-216-089-91	METAL GLAZE	47K 5% 1/10W	C012	1-216-033-00	METAL GLAZE	220 5% 1/10W				
R1908	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C013	1-216-121-91	METAL GLAZE	1M 5% 1/10W				
R1909	1-216-041-00	METAL GLAZE	470 5% 1/10W	C014	1-164-161-11	CERAMIC CHIP	0.0022MF 10% 50V				
R1910	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C023	1-163-259-91	CERAMIC CHIP	220PF 5% 50V				
R1911	1-216-073-00	METAL GLAZE	10K 5% 1/10W	C028	1-163-227-11	CERAMIC CHIP	10PF 0.5PF 50V				
R1915	1-216-073-00	METAL GLAZE	10K 5% 1/10W								
R1916	1-216-073-00	METAL GLAZE	10K 5% 1/10W								
R1922	1-216-043-91	METAL GLAZE	560 5% 1/10W								
R1923	1-216-043-91	METAL GLAZE	560 5% 1/10W								
R1928	1-216-041-00	METAL GLAZE	470 5% 1/10W								
R1929	1-216-089-91	METAL GLAZE	47K 5% 1/10W								
R1930	1-216-073-00	METAL GLAZE	10K 5% 1/10W								
R1931	1-216-025-91	METAL GLAZE	100 5% 1/10W								
R1932	1-216-073-00	METAL GLAZE	10K 5% 1/10W								

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
C029	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	C392	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C030	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V	C461	1-107-717-11	ELECT	33MF	20%	25V
C035	1-163-237-11	CERAMIC CHIP	27PF	5%	50V	C461	1-128-551-11	ELECT	22MF	20%	25V
C036	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	C461	1-126-963-11	ELECT	4.7MF	20%	50V
C037	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C461	1-126-964-11	ELECT	10MF	20%	50V
C038	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C462	1-126-961-11	ELECT	2.2MF	20%	50V
C039	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C463	1-126-961-11	ELECT	2.2MF	20%	50V
C040	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C464	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C051	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C466	1-104-668-11	ELECT	220MF	20%	25V
C053	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C467	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C056	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C472	1-136-173-00	FILM	0.47MF	5%	50V
C061	1-163-033-91	CERAMIC CHIP	0.022MF		50V	C473	1-136-169-00	FILM	0.22MF	5%	50V
C062	1-163-033-91	CERAMIC CHIP	0.022MF		50V	C474	1-126-942-61	ELECT	1000MF	20%	25V
C063	1-126-935-11	ELECT	470MF	20%	16V	C475	1-136-169-00	FILM	0.22MF	5%	50V
C071	1-164-096-11	CERAMIC	0.01MF		50V	C476	1-126-942-61	ELECT	1000MF	20%	25V
C072	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C477	1-126-942-61	ELECT	1000MF	20%	25V
C075	1-107-823-11	CERAMIC CHIP	0.47MF	10%	16V	C478	1-126-934-11	ELECT	220MF	20%	16V
C353	1-163-231-11	CERAMIC CHIP	15PF	5%	50V	C478	1-126-965-11	ELECT	22MF	20%	50V
C354	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C479	1-126-961-11	ELECT	2.2MF	20%	50V
C355	1-126-959-11	ELECT	0.47MF	20%	50V	C501	1-102-110-00	CERAMIC	220PF	10%	50V
C356	1-126-963-11	ELECT	4.7MF	20%	50V	C502	1-126-959-11	ELECT	0.47MF	20%	50V
C357	1-126-959-11	ELECT	0.47MF	20%	50V	C503	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C358	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C504	1-102-212-00	CERAMIC	820PF	10%	500V
C359	1-126-933-11	ELECT	100MF	20%	16V	C505	1-102-002-00	CERAMIC	680PF	10%	500V
C363	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C506	1-106-383-00	MYLAR	0.047MF	10%	200V
C364	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C507	1-102-116-00	CERAMIC	680PF	10%	2KV
C365	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C508	1-102-244-00	CERAMIC	220PF	10%	500V
C366	1-137-399-11	FILM	0.1MF	5%	50V	C509	1-162-116-00	CERAMIC	680PF	10%	2KV
C367	1-137-399-11	FILM	0.1MF	5%	50V	C510	1-137-150-11	MYLAR	0.01MF	10%	100V
C368	1-137-399-11	FILM	0.1MF	5%	50V	C511	1-115-480-11	FILM	0.022MF	3%	1.2KV
C369	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	C512	1-130-005-00	FILM	0.030MF	5%	400V
C370	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	C513	1-129-220-00	FILM	100MF	5%	600V
C371	1-163-141-00	CERAMIC CHIP	0.001MF	5%	50V	C514	1-104-99-11	FILM	0.02MF	5%	200V
C372	1-126-959-11	ELECT	0.47MF	20%	50V	C515	1-136-540-11	FILM	0.02MF	5%	200V
C373	1-126-960-11	ELECT	1MF	20%	50V	C516	1-104-99-11	FILM	0.02MF	5%	200V
C375	1-165-319-11	CERAMIC CHIP	0.1MF		50V	C517	1-136-540-11	FILM	0.82MF	5%	200V
			(KV-27V22/29V22T)						(KV-37V36T)		
C376	1-126-964-11	ELECT	10MF	20%	50V	C518	1-115-480-11	FILM	0.022MF	3%	1.2KV
C377	1-137-399-11	FILM	0.1MF	5%	50V	C519	1-130-005-00	FILM	0.030MF	5%	400V
C378	1-136-244-11	FILM	0.1MF	5%	50V	C520	1-129-220-00	FILM	100MF	5%	600V
C379	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C521	1-115-480-11	FILM	0.022MF	3%	1.2KV
C380	1-126-935-11	ELECT	470MF	20%	16V	C522	1-130-005-00	FILM	0.030MF	5%	400V
C381	1-163-003-11	CERAMIC CHIP	330PF	10%	50V	C523	1-129-220-00	FILM	100MF	5%	600V
C383	1-137-399-11	FILM	0.1MF	5%	50V	C524	1-115-480-11	FILM	0.022MF	3%	1.2KV
C385	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	C525	1-130-005-00	FILM	0.030MF	5%	400V
C386	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V	C526	1-129-220-00	FILM	100MF	5%	600V
C387	1-126-961-11	ELECT	2.2MF	20%	50V	C527	1-115-480-11	FILM	0.022MF	3%	1.2KV
C388	1-126-959-11	ELECT	0.47MF	20%	50V	C528	1-130-005-00	FILM	0.030MF	5%	400V
C389	1-126-960-11	ELECT	1MF	20%	50V	C529	1-129-220-00	FILM	100MF	5%	600V
C391	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C530	1-115-480-11	FILM	0.022MF	3%	1.2KV

A**Note:**

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK			
C515	1-106-343-00	MYLAR	0.001MF	10%	100V	C1108	1-126-960-11	ELECT	1MF	20%	50V	
C516	1-115-461-11	FILM	2MF	5%	200V	C1109	1-126-964-11	ELECT	10MF	20%	50V	
C517	1-107-649-11	ELECT	2.2MF	20%	250V	C1110	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C518	1-106-395-00	MYLAR	0.15MF	10%	200V	C1111	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C519	1-162-815-11	CERAMIC	47PF	5%	500V	C1112	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V	
C520	1-164-645-11	CERAMIC	1000PF	10%	500V	C1244	1-126-959-11	ELECT	0.47MF	20%	50V	
			(KV-34V36K/37V36T)			C1245	1-126-959-11	ELECT	0.47MF	20%	50V	
C520	1-164-646-11	CERAMIC	2200PF	10%	500V	C1351	1-163-251-11	CERAMIC CHIP	100PF	5%	50V	
	(KV-27V22/29V22T/29V76T/29V36K)						C1352	1-126-933-11	ELECT	100MF	20%	16V
C521	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C1353	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V	
C522	1-126-960-11	ELECT	1MF	20%	50V	C1354	1-216-295-91	CONDUCTOR, CHIP	(2012)			
C525	1-102-244-00	CERAMIC	220PF	10%	500V	C1401	1-126-959-11	ELECT	0.47MF	20%	50V	
C526	1-107-662-11	ELECT	22MF	20%	250V	C1402	1-126-964-11	ELECT	10MF	20%	50V	
C527	1-162-116-00	CERAMIC	680PF	10%	2KV	C1403	1-126-959-11	ELECT	0.47MF	20%	50V	
C528	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	C1404	1-165-319-11	CERAMIC CHIP	0.1MF	50V		
C529	1-128-551-11	ELECT	22MF	20%	25V	C1405	1-165-319-11	CERAMIC CHIP	0.1MF	50V		
C530	1-137-366-11	FILM	0.0022MF	5%	50V	C1406	1-165-319-11	CERAMIC CHIP	0.1MF	50V		
C531	1-126-965-11	ELECT	22MF	20%	50V	C1407	1-165-319-11	CERAMIC CHIP	0.1MF	50V		
C532	1-126-965-11	ELECT	22MF	20%	50V	C1408	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V	
	(EXCEPT KV-34V36K)						C1404	1-165-319-11	CERAMIC CHIP	0.1MF	50V	
C537	1-126-941-11	ELECT	470MF	20%	25V	C1405	1-165-319-11	CERAMIC CHIP	0.1MF	50V		
	(EXCEPT KV-37V36T)						C1406	1-165-319-11	CERAMIC CHIP	0.1MF	50V	
C537	1-126-942-61	ELECT	1000MF	20%	25V	C1407	1-165-319-11	CERAMIC CHIP	0.1MF	50V		
	(KV-37V36T)						C1408	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
	(KV-34V36K)						C1409	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
	(EXCEPT KV-34V36K)						C1409	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
	(KV-34V36K)						C1410	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C540	1-123-024-21	ELECT	33MF	160V			C1410	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C541	1-128-560-11	ELECT	22MF	20%	100V		(KV-34V36K)			(EXCEPT KV-34V36K)		
C542	1-106-383-00	MYLAR	0.047MF	10%	200V							
C543	1-162-131-11	CERAMIC	220PF	10%	2KV							
	(KV-37V36T)						C1411	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
	(EXCEPT KV-34V36K)						C1411	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
	(KV-34V36K)						C1411	1-164-161-11	CERAMIC CHIP	0.0022MF	10%	50V
C545	1-106-387-00	MYLAR	0.068MF	10%	200V		(EXCEPT KV-34V36K)					
C546	1-106-343-00	MYLAR	0.001MF	10%	100V							
C547	1-106-343-00	MYLAR	0.001MF	10%	100V							
C551	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V							
C561	1-126-967-11	ELECT	47MF	20%	50V							
C563	1-126-923-11	ELECT	220MF	20%	10V							
C564	1-126-960-11	ELECT	1MF	20%	50V							
C565	1-126-969-11	ELECT	220MF	20%	50V							
C566	1-126-964-11	ELECT	10MF	20%	50V							
C568	1-136-169-00	FILM	0.22MF	5%	50V							
C571	1-104-664-11	ELECT	47MF	20%	25V							
C1002	1-126-964-11	ELECT	10MF	20%	50V							
C1101	1-126-768-11	ELECT	2200MF	20%	16V							
C1103	1-126-965-11	ELECT	22MF	20%	50V							
C1104	1-126-967-11	ELECT	47MF	20%	16V							
C1105	1-126-967-11	ELECT	47MF	20%	16V							
C1106	1-126-964-11	ELECT	10MF	20%	50V							
C1107	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V							
	(KV-34V36K/29V76T/29V36K)											
	(KV-27V22/29V22T/37V36T)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K)											
	(KV-34V36K											

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A

REF.NO.	PART NO.	DESCRIPTION	REMARK
CN501 *	1-580-798-11	CONNECTOR PIN (DY) 6P	
CN502	1-508-784-00	PIN, CONNECTOR (5 MM PITCH) 1P (KV-37V36T)	
CN503 *	1-564-507-11	PLUG, CONNECTOR 4P	
CN1001 *	1-564-512-11	PLUG, CONNECTOR 9P	
CN1101	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P (KV-29V76T/29V36K/34V36K/37V36T)	

CN1103	1-573-979-21	CONNECTOR, BOARD TO BOARD 11P	
CN1231	1-564-511-11	PLUG, CONNECTOR 8P	
CN1641 *	1-564-515-11	PLUG, CONNECTOR 12P	
CN1941 *	1-564-508-11	PLUG, CONNECTOR 5P (KV-29V76T/29V36K/34V36K)	
CN1941	1-564-511-11	PLUG, CONNECTOR 8P (KV-37V36T)	
CN3001	1-573-298-11	CONNECTOR, BOARD TO BOARD 20P	

DIODE

D001	8-719-991-33	DIODE 1SS133T-77	
D002	8-719-109-89	DIODE RD5.6ESB2	
D003	8-719-991-33	DIODE 1SS133T-77	
D004	8-719-110-17	DIODE RD10ESB2	
D011	8-719-983-14	DIODE MTZJ-T-77-3.9	
D013	8-719-991-33	DIODE 1SS133T-77 (KV-27V22/29V76T/29V36K/34V36K/37V36T)	
D014	8-719-991-33	DIODE 1SS133T-77	
D015	8-719-991-33	DIODE 1SS133T-77	
D353	8-719-991-33	DIODE 1SS133T-77	
D356	8-719-991-33	DIODE 1SS133T-77	
D360	8-719-110-17	DIODE RD10ESB2	
D362	8-719-991-33	DIODE 1SS133T-77	
D368	8-719-991-33	DIODE 1SS133T-77	
D462	8-719-991-33	DIODE 1SS133T-77	
D501	8-719-109-89	DIODE RD5.6ESB2	
D502	8-719-945-80	DIODE ERC06-15S	
D503	8-719-945-80	DIODE ERC06-15S	
D504	8-719-900-26	DIODE ERD29-08J	
D505	8-719-908-03	DIODE GP08D	
D506	8-719-908-03	DIODE GP08D	
D507	8-719-991-33	DIODE 1SS133T-77	
D515	8-719-302-43	DIODE EL1Z	
D516	8-719-991-33	DIODE 1SS133T-77	
D518	8-719-991-33	DIODE 1SS133T-77	
D519 Δ	8-719-302-43	DIODE EL1Z	

D520	8-719-991-33	DIODE 1SS133T-77	
D521	8-719-921-63	DIODE MTZJ-7.5B	
D530	8-719-979-85	DIODE EGP20G	
D531	8-719-979-85	DIODE EGP20G	
D534	8-719-302-43	DIODE EL1Z	
D535	8-719-028-72	DIODE RGP02-17EL-6433 (KV-37V36T)	
D561	8-719-908-03	DIODE GP08D	
D562	8-719-991-33	DIODE 1SS133T-77	
D1102	8-719-982-24	DIODE MTZJ-33A	
D1103	8-719-109-89	DIODE RD5.6ESB2	

REF.NO.	PART NO.	DESCRIPTION	REMARK
---------	----------	-------------	--------

D1248	8-719-981-99	DIODE MTZJ-3.3	
D1263	8-719-110-17	DIODE RD10ESB2	
D1264	8-719-110-17	DIODE RD10ESB2	

FERRITE BEAD

FB501	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB502	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	
FB503	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH	

IC

IC001	8-752-880-88	IC CXP85840-002S	
IC002	8-759-354-28	IC ST24C02FM6TR	
IC351	8-752-076-76	IC CXA2025AS	
IC461	8-759-980-43	IC TDA2009A	
IC501	8-759-700-07	IC NJM2903M	
IC561	8-759-980-58	IC TDA8172 (EXCEPT KV-37V36T)	
IC561	8-759-192-71	IC STV9379 (KV-37V36T)	
IC1001	8-752-058-68	IC CXA1315M	
IC1401	8-759-369-39	IC BH3856FS-E2	
IC1402	8-759-100-96	IC UPC4558G2	

CHIP CONDUCTOR

JR001	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR163	1-216-295-91	CONDUCTOR, CHIP (2012) (EXCEPT KV-29V22T)	
JR240	1-216-295-91	CONDUCTOR, CHIP (2012) (EXCEPT KV-37V36T)	
JR351	1-216-295-91	CONDUCTOR, CHIP (2012) (KV-27V22/29V22T)	
JR352	1-216-295-91	CONDUCTOR, CHIP (2012) (KV-27V22/29V22T)	
JR501	1-216-295-91	CONDUCTOR, CHIP (2012) (EXCEPT KV-37V36T)	
JR1351	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR1352	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4101	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4108	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4110	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4114	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4116	1-216-295-91	CONDUCTOR, CHIP (2012)	
JR4120	1-216-295-91	CONDUCTOR, CHIP (2012)	

COIL

L001	1-408-421-00	INDUCTOR	100UH
L002	1-408-421-00	INDUCTOR	100UH
L003	1-410-470-11	INDUCTOR	10UH
L004	1-410-470-11	INDUCTOR	10UH
L352	1-412-537-31	INDUCTOR	100UH
L461	1-408-418-00	INDUCTOR	56UH (KV-34V36K)
L461	1-408-425-00	INDUCTOR	220UH (KV-37V36T)
L461	1-410-470-11	INDUCTOR	10UH (KV-27V22/29V22T)
L461	1-410-473-11	INDUCTOR	18UH (KV-29V36K/29V76T)
L501 Δ	1-411-976-11	COIL, HORIZONTAL LINEARITY (KV-34V36K)	
L501 Δ	1-408-881-11	COIL, HORIZONTAL LINEARITY (EXCEPT KV-34V36K)	

A

Note:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
L502	1-412-552-11	INDUCTOR	2.2MMH			RESISTOR	
L503	1-406-677-11	COIL, CHOKE	10MMH	R001	1-216-045-00	METAL GLAZE	680 5% 1/10W
L511	1-406-607-11	COIL, CHOKE	15MMH	R002	1-247-815-91	CARBON	220 5% 1/4W
L517	1-412-552-11	INDUCTOR	2.2MMH	R003	1-216-097-91	METAL GLAZE	100K 5% 1/10W
L541	1-406-677-11	COIL, CHOKE	10MMH (KV-37V36T)	R004	1-216-121-91	METAL GLAZE	1M 5% 1/10W
L1101	1-408-421-00	INDUCTOR	100UH	R005	1-247-815-91	CARBON	220 5% 1/4W
L1102	1-410-470-11	INDUCTOR	10UH	R006	1-247-815-91	CARBON	220 5% 1/4W (KV-29V36K/29V76T/34V36K/37V36T)
L1401	1-410-494-11	INDUCTOR	1MMH	R007	1-216-073-00	METAL GLAZE	10K 5% 1/10W
IC LINK				R008	1-247-815-91	CARBON	220 5% 1/4W (KV-29V36K/29V76T/34V36K/37V36T)
PS461 A	1-532-984-11	LINK, IC 2A/90V		R009	1-216-073-00	METAL GLAZE	10K 5% 1/10W
TRANSISTOR				R010	1-216-037-00	METAL GLAZE	330 5% 1/10W
Q001	8-729-216-22	TRANSISTOR 2SA1162-G		R011	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q002	8-729-422-27	TRANSISTOR 2SD601A-Q		R012	1-216-033-00	METAL GLAZE	220 5% 1/10W (KV-29V36K/29V76T/34V36K/37V36T)
Q003	8-729-422-27	TRANSISTOR 2SD601A-Q		R013	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q004	8-729-216-22	TRANSISTOR 2SA1162-G		R014	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q010	8-729-422-27	TRANSISTOR 2SD601A-Q		R015	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q011	8-729-422-27	TRANSISTOR 2SD601A-Q		R016	1-216-073-00	METAL GLAZE	10K 5% 1/10W
Q012	8-729-422-27	TRANSISTOR 2SD601A-Q		R019	1-249-425-11	CARBON	4.7K 5% 1/4W
Q013	8-729-422-27	TRANSISTOR 2SD601A-Q		R020	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q014	8-729-422-27	TRANSISTOR 2SD601A-Q		R022	1-249-429-11	CARBON	10K 5% 1/4W (KV-29V36K/29V76T/34V36K/37V36T)
Q015	8-729-422-27	TRANSISTOR 2SD601A-Q		R023	1-216-089-91	METAL GLAZE	47K 5% 1/10W
Q016	8-729-422-27	TRANSISTOR 2SD601A-Q		R025	1-163-010-11	CERAMIC CHIP	0.0012MF 10% 50V
Q017	8-729-216-22	TRANSISTOR 2SA1162-G		R026	1-163-038-91	CERAMIC CHIP	0.1MF 25V
Q301	8-729-216-22	TRANSISTOR 2SA1162-G		R028	1-249-417-11	CARBON	1K 5% 1/4W
Q302	8-729-216-22	TRANSISTOR 2SA1162-G		R029	1-216-025-91	METAL GLAZE	100 5% 1/10W
Q303	8-729-216-22	TRANSISTOR 2SA1162-G		R030	1-249-425-11	CARBON	4.7K 5% 1/4W
Q354	8-729-422-27	TRANSISTOR 2SD601A-Q		R031	1-247-815-91	CARBON	220 5% 1/4W (KV-29V36K/29V76T/34V36K/37V36T)
Q356	8-729-216-22	TRANSISTOR 2SA1162-G		R032	1-247-815-91	CARBON	220 5% 1/4W
Q357	8-729-422-27	TRANSISTOR 2SD601A-Q	(KV-29V36K/29V76T/34V36K/37V36T)	R034	1-247-815-91	CARBON	220 5% 1/4W
Q358	8-729-422-27	TRANSISTOR 2SD601A-Q		R035	1-247-815-91	CARBON	220 5% 1/4W
Q461	8-729-422-27	TRANSISTOR 2SD601A-Q		R036	1-216-049-91	METAL GLAZE	1K 5% 1/10W
Q462	8-729-216-22	TRANSISTOR 2SA1162-G		R037	1-216-049-91	METAL GLAZE	1K 5% 1/10W
Q501	8-729-140-50	TRANSISTOR 2SC3209LK		R038	1-216-049-91	METAL GLAZE	1K 5% 1/10W
Q502 A	8-729-035-75	TRANSISTOR 2SC5146(LBSONY)	(KV-34V36K/37V36T)	R039	1-247-807-31	CARBON	100 5% 1/4W
Q502 A	8-729-016-32	TRANSISTOR 2SC4027-01	(KV-27V22/29V22T/29V76T/29V36T)	R040	1-247-815-91	CARBON	220 5% 1/4W
Q511 A	8-729-422-27	TRANSISTOR 2SD601A-Q		R041	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W (KV-29V36K/29V76T/34V36K/37V36T)
Q512 A	8-729-809-29	TRANSISTOR 2SC4159-E		R042	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W (KV-29V36K/29V76T/34V36K/37V36T)
Q551	8-729-216-22	TRANSISTOR 2SA1162-G		R043	1-216-049-91	METAL GLAZE	1K 5% 1/10W
Q552	8-729-422-27	TRANSISTOR 2SD601A-Q		R044	1-216-049-91	METAL GLAZE	1K 5% 1/10W
Q561	8-729-422-27	TRANSISTOR 2SD601A-Q		R045	1-247-815-91	CARBON	220 5% 1/4W (KV-29V36K/29V76T/34V36K/37V36T)
Q562	8-729-422-27	TRANSISTOR 2SD601A-Q		R046	1-247-815-91	CARBON	220 5% 1/4W
Q563	8-729-105-08	TRANSISTOR 2SA1130-06					
Q1102	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q1103	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1231	8-729-422-27	TRANSISTOR 2SD601A-Q					
Q1232	8-729-422-27	TRANSISTOR 2SD601A-Q					

Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

A

REF.NO.	PART NO.	DESCRIPTION	REMARK		
R047	1-249-417-11	CARBON	1K	5%	1/4W
R048	1-249-417-11	CARBON	1K	5%	1/4W
R049	1-249-417-11	CARBON	1K	5%	1/4W
R050	1-247-815-91	CARBON	220	5%	1/4W
			(KV-29V36K/29V76T/34V36K/37V36T)		
R051	1-247-815-91	CARBON	220	5%	1/4W
R052	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R053	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R054	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R055	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R056	1-216-033-00	METAL GLAZE	220	5%	1/10W
R057	1-249-417-11	CARBON	1K	5%	1/4W
R058	1-216-033-00	METAL GLAZE	220	5%	1/10W
R064	1-247-815-91	CARBON	220	5%	1/4W
R065	1-247-815-91	CARBON	220	5%	1/4W
R066	1-247-815-91	CARBON	220	5%	1/4W
R067	1-249-413-11	CARBON	470	5%	1/4W
R068	1-247-815-91	CARBON	220	5%	1/4W
R069	1-247-815-91	CARBON	220	5%	1/4W
R070	1-247-815-91	CARBON	220	5%	1/4W
R071	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R072	1-216-033-00	METAL GLAZE	220	5%	1/10W
R073	1-216-033-00	METAL GLAZE	220	5%	1/10W
R074	1-216-033-00	METAL GLAZE	220	5%	1/10W
R075	1-216-033-00	METAL GLAZE	220	5%	1/10W
R076	1-216-033-00	METAL GLAZE	220	5%	1/10W
R077	1-216-033-00	METAL GLAZE	220	5%	1/10W
R078	1-249-417-11	CARBON	1K	5%	1/4W
R079	1-216-033-00	METAL GLAZE	220	5%	1/10W
R080	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R081	1-216-025-91	METAL GLAZE	100	5%	1/10W
R082	1-216-025-91	METAL GLAZE	100	5%	1/10W
R083	1-249-429-11	CARBON	10K	5%	1/4W
R084	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R087	1-247-815-91	CARBON	220	5%	1/4W
R090	1-216-033-00	METAL GLAZE	220	5%	1/10W
			(KV-29V36K/29V76T/34V36K/37V36T)		
R092	1-249-429-11	CARBON	10K	5%	1/4W
R097	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R099	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R131	1-216-035-00	METAL GLAZE	270	5%	1/10W
R132	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R133	1-216-039-00	METAL GLAZE	390	5%	1/10W
R135	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R136	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R137	1-216-033-00	METAL GLAZE	220	5%	1/10W
R353	1-208-786-11	METAL GLAZE	1.5K	0.50%	1/10W
R354	1-216-077-00	METAL GLAZE	15K	5%	1/10W
R355	1-216-033-00	METAL GLAZE	220	5%	1/10W
R356	1-216-033-00	METAL GLAZE	220	5%	1/10W

REF.NO.	PART NO.	DESCRIPTION	REMARK		
R358	1-247-815-91	CARBON	220	5%	1/4W
			(KV-29V36K/29V76T/34V36K/37V36T)		
R359	1-247-815-91	CARBON	220	5%	1/4W
			(KV-29V36K/29V76T/34V36K/37V36T)		
R360	1-247-815-91	CARBON	220	5%	1/4W
			(KV-29V36K/29V76T/34V36K/37V36T)		
R361	1-216-025-91	METAL GLAZE	100	5%	1/10W
R362	1-216-025-91	METAL GLAZE	100	5%	1/10W
R363	1-216-025-91	METAL GLAZE	100	5%	1/10W
R364	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R365	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R366	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R367	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R368	1-249-441-11	CARBON	100K	5%	1/4W
R369	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R370	1-249-417-11	CARBON	1K	5%	1/4W
			(KV-29V36K/29V76T/34V36K/37V36T)		
R371	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
			(KV-29V36K/29V76T/34V36K/37V36T)		
R372	1-216-113-00	METAL GLAZE	470K	5%	1/10W
R373	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R374	1-216-125-00	METAL GLAZE	1.5M	5%	1/10W
R375	1-216-025-91	METAL GLAZE	100	5%	1/10W
R376	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R379	1-216-033-00	METAL GLAZE	220	5%	1/10W
R380	1-247-815-91	CARBON	220	5%	1/4W
R381	1-247-815-91	CARBON	220	5%	1/4W
R382	1-216-033-00	METAL GLAZE	220	5%	1/10W
R383	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R384	1-216-109-00	METAL GLAZE	330K	5%	1/10W
R385	1-249-422-11	CARBON	2.7K	5%	1/4W
R386	1-216-049-91	METAL GLAZE	1K	5%	1/10W
			(KV-29V36K/29V76T/34V36K/37V36T)		
R387	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R388	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R389	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W
R390	1-216-035-00	METAL GLAZE	270	5%	1/10W
R391	1-208-810-11	METAL GLAZE	15K	0.50%	1/10W
R392	1-216-025-91	METAL GLAZE	100	5%	1/10W
R393	1-216-043-91	METAL GLAZE	560	5%	1/10W
R394	1-216-059-00	METAL GLAZE	2.7K	5%	1/10W
R395	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R396	1-249-417-11	CARBON	1K	5%	1/4W
			(KV-29V36K/29V76T/34V36K/37V36T)		
R397	1-249-425-11	CARBON	4.7K	5%	1/4W
R461	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R462	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R463	1-249-435-11	CARBON	33K	5%	1/4W
R464	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R465	1-249-413-11	CARBON	470	5%	1/4W

A**Note:**

The components identified by **☒** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Note:

Les composants identifiés par un trame et une marque **☒** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK				
R466	1-249-382-11	CARBON	1.2	5%	1/4W F (KV-34V36K)	R511A	1-215-883-11	METAL OXIDE	100	5%	2W F (KV-37V36T)
R466	1-249-383-11	CARBON	1.5	5%	1/4W (KV-29V36K/29V76T)	R511A	1-215-449-11	METAL OXIDE	56	5%	2W F (KV-27V22/29V22T/29V76T/29V36K)
R466	1-249-385-11	CARBON	2.2	%	1/4W (KV-27V22/29V22T)	R512A	1-215-884-11	METAL OXIDE	100	5%	2W F (KV-34V36K/37V36T)
R467	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	R512A	1-216-450-00	METAL OXIDE	82	5%	2W F (KV-27V22/29V22T/29V76T/29V36K)
R469	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W (KV-29V36K/34V36K/29V76T)	R513	1-216-347-11	METAL OXIDE	0.68	5%	1W F (KV-27V22/29V22T/29V76T/29V36K)
R469	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W (KV-37V36T)	R515	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R469	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W (KV-27V22/29V22T)	R516	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R470	1-216-077-00	METAL GLAZE	15K	5%	1/10W (KV-34V36K)	R517	1-249-415-11	CARBON	680	5%	1/4W
R471	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W	R518	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R472	1-216-067-00	METAL GLAZE	5.6K	5%	1/10W (KV-29V36K/34V36K/29V76T)	R519	1-249-411-11	CARBON	330	5%	1/4W
R472	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W (KV-37V36T)	R521A	1-215-919-11	METAL OXIDE	470	5%	2W F (KV-34V36K/37V36T)
R472	1-216-055-00	METAL GLAZE	1.8K	5%	1/10W (KV-27V22/29V22T)	R521A	1-215-916-00	METAL OXIDE	470	5%	3W F (KV-27V22/29V22T/29V76T/29V36K)
R473	1-249-398-11	CARBON	27	5%	1/4W	R523	1-216-073-00	METAL GLAZE	10K	5%	1/10W (EXCEPT KV-37V36T)
R474	1-216-077-00	METAL GLAZE	15K	5%	1/10W (KV-34V36K)	R523	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W (KV-37V36T)
R475	1-249-430-11	CARBON	12K	5%	1/4W	R524	1-249-420-11	CARBON	10K	5%	1/4W
R476	1-249-430-11	CARBON	12K	5%	1/4W	R525	1-216-071-00	METAL GLAZE	8.2K	5%	1/10W
R477	1-249-398-11	CARBON	27	5%	1/4W	R528	1-216-081-00	METAL GLAZE	22K	5%	1/10W
R478	1-249-418-11	CARBON	1.2K	5%	1/4W F	R529	1-208-814-11	METAL GLAZE	22K	0.50%	1/10W (EXCEPT KV-37V36T)
R479	1-249-418-11	CARBON	1.2K	5%	1/4W F	R529	1-208-812-11	METAL GLAZE	18K	0.50%	1/10W (KV-37V36T)
R480	1-249-385-11	CARBON	2.2	5%	1/4W F	☒ R530A	1-215-913-11	METAL GLAZE	10K	5%	1/10W (KV-34V36K/37V36T)
R481	1-249-385-11	CARBON	2.2	5%	1/4W F	☒ R530A	1-215-916-00	METAL GLAZE	10K	5%	1/10W (KV-27V22/29V22T/29V76T)
R482	1-249-421-11	CARBON	2.2K	5%	1/4W (KV-27V22/29V22T/37V36T)	☒ R531A	1-215-913-11	METAL GLAZE	10K	5%	1/10W (29V36K/27V22/29V22T/29V76T)
R483	1-249-421-11	CARBON	2.2K	5%	1/4W (KV-27V22/29V22T/37V36T)	☒ R531A	1-215-916-00	METAL GLAZE	10K	5%	1/10W (KV-34V36K)
R501	1-216-037-00	METAL GLAZE	330	5%	1/10W	☒ R531A	1-215-913-11	METAL GLAZE	10K	5%	1/10W (KV-37V36T)
R502	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W	R532	1-208-760-11	METAL GLAZE	120	0.50%	1/10W
R503	1-249-426-11	CARBON	5.6K	5%	1/4W F	R533A	1-215-902-11	METAL OXIDE	47K	5%	1W F (EXCEPT KV-37V36T)
☒ R504A	1-215-913-11	METAL OXIDE	470	5%	3W F (KV-34V36K/37V36T)	R533A	1-215-874-00	METAL OXIDE	33K	5%	1W F (KV-37V36T)
☒ R504A	1-215-916-00	METAL OXIDE	680	5%	3W F (EXCEPT KV-34V36K/37V36T)	R535	1-216-101-00	METAL GLAZE	150K	5%	1/10W
R505	1-249-431-11	CARBON	15K	5%	1/4W	☒ R536A	1-208-288-11	CARBON	0.47	5%	1/2W (EXCEPT KV-37V36T)
R506	1-215-861-00	METAL OXIDE	47	5%	1W F	☒ R536A	1-216-397-11	METAL OXIDE	0.47	5%	3W (KV-37V36T)
R507	1-249-401-11	CARBON	47	5%	1/4W	☒ R537A	1-208-288-11	CARBON	0.47	5%	1/2W (EXCEPT KV-37V36T)
R508	1-249-427-11	CARBON	6.8K	5%	1/4W						
R509	1-247-750-11	CARBON	680	5%	1/2W F						
☒ R510A	1-215-913-11	METAL OXIDE	33	5%	1W F						
☒ R511A	1-215-865-00	METAL OXIDE	68	5%	2W F (KV-34V36K)						

Note: The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque **▲** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numero spécifie.

A

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK			
R537▲	1-216-470-00	METAL OXIDE	18	5%	3W	(KV-37V36T)	R1101	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R538	1-247-887-00	CARBON	220K	5%	1/4W		R1102	1-215-900-11	METAL OXIDE	22K	5%	2W F
R541	1-249-377-11	CARBON	0.47	5%	1/4W F	(KV-37V36T)	R1103	1-216-051-00	METAL GLAZE	1.2K	5%	1/10W
R542	1-249-397-11	CARBON	22	5%	1/4W F	(KV-37V36T)	R1104	1-216-083-00	METAL GLAZE	27K	5%	1/10W
R543	1-249-377-11	CARBON	0.47	5%	1/4W F		R1105	1-216-689-11	METAL GLAZE	39K	5%	1/10W
R546	1-215-451-00	METAL	18K	1%	1/4W	(KV-37V36T)	R1106	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R546	1-215-453-00	METAL	22K	1%	1/4W	(KV-34V36K)	R1107	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R546	1-215-456-00	METAL	30K	1%	1/4W	(KV-27V22/29V22T/29V76T/29V36K)	R1108	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R547	1-215-457-00	METAL	33K	1%	1/4W		R1109	1-216-019-00	METAL GLAZE	56	5%	1/10W
R548	1-215-872-11	METAL OXIDE	3.3K	5%	1W F	(KV-37V36T)	R1110	1-216-019-00	METAL GLAZE	56	5%	1/10W
R549	1-215-437-00	METAL	4.7K	1%	1/4W		R1111	1-216-019-00	METAL GLAZE	56	5%	1/10W
R550▲	1-249-377-11	CARBON	0.47	5%	1/4W F		R1115	1-216-045-00	METAL GLAZE	680	5%	1/10W
R551	1-215-873-00	METAL OXIDE	4.7K	5%	1W F		R1117	1-249-425-11	CARBON	4.7K	5%	1/4W
R552	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W		R1118	1-249-425-11	CARBON	4.7K	5%	1/4W
R553▲	1-249-377-11	CARBON	0.47	5%	1/4W F		R1120	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R554	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W		R1121	1-216-035-00	METAL GLAZE	270	5%	1/10W
R561	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R1122	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R563▲	1-216-361-00	METAL OXIDE	1.5	5%	1W F		R1123	1-216-039-00	METAL GLAZE	390	5%	1/10W
R564	1-249-392-11	CARBON	8.2	5%	1/4W	(KV-27V22/29V22T/29V76T/29V36K)	R1125	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R564	1-249-393-11	CARBON	10	5%	1/4W	(KV-34V36K/37V36T)	R1126	1-216-035-00	METAL GLAZE	270	5%	1/10W
R565▲	1-215-890-11	METAL OXIDE	470	5%	2W F		R1127	1-216-115-00	METAL GLAZE	560K	5%	1/10W
R566	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R1128	1-216-039-00	METAL GLAZE	390	5%	1/10W
R567▲	1-249-365-11	CARBON	2.2	5%	1/4W F		R1130	1-216-057-00	METAL GLAZE	2.2K	5%	1/10W
R568	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R1255	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R569	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R1258	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R570	1-216-097-91	METAL GLAZE	100K	5%	1/10W		R1259	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R571	1-216-081-00	METAL GLAZE	22K	5%	1/10W		R1260	1-216-061-00	METAL GLAZE	3.3K	5%	1/10W
R572	1-216-081-00	METAL GLAZE	22K	5%	1/10W		R1294	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R573	1-216-097-91	METAL GLAZE	100K	5%	1/10W		R1295	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R574▲	1-216-365-00	METAL OXIDE	0.47	5%	2W F		R1351	1-247-815-91	CARBON	220	5%	1/4W
R575	1-216-113-00	METAL GLAZE	470K	5%	1/10W		R1352	1-247-815-91	CARBON	220	5%	1/4W
R576	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R1353	1-247-815-91	CARBON	220	5%	1/4W
R577	1-216-097-91	METAL GLAZE	100K	5%	1/10W		R1354	1-216-033-00	METAL GLAZE	220	5%	1/10W
R578	1-208-784-11	METAL GLAZE	1.2K	0.50%	1/10W		R1355	1-216-025-91	METAL GLAZE	100	5%	1/10W
R579	1-208-842-11	METAL GLAZE	330K	0.50%	1/10W		R1356	1-216-025-91	METAL GLAZE	100	5%	1/10W
R580	1-249-441-11	CARBON	100K	5%	1/4W		R1357	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1001	1-247-807-31	CARBON	100	5%	1/4W		R1358	1-247-807-31	CARBON	100	5%	1/4W
R1002	1-247-807-31	CARBON	100	5%	1/4W		R1359	1-216-025-91	METAL GLAZE	100	5%	1/10W
R1005	1-216-073-00	METAL GLAZE	10K	5%	1/10W		R1360	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W
R1006	1-216-033-00	METAL GLAZE	220	5%	1/10W	(KV-37V36T)	R1361	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
							R1362	1-216-295-91	CONDUCTOR, CHIP	(2012)		
							R1407	1-216-073-00	METAL GLAZE	10K	5%	1/10W
							R1408	1-249-429-11	CARBON	10K	5%	1/4W
							R1409	1-249-429-11	CARBON	10K	5%	1/4W
							R1411	1-216-073-00	METAL GLAZE	10K	5%	1/10W
							R1412	1-216-093-00	METAL GLAZE	68K	5%	1/10W
							R1413	1-216-089-91	METAL GLAZE	47K	5%	1/10W
							R1414	1-216-089-91	METAL GLAZE	47K	5%	1/10W
							R1415	1-216-025-91	METAL GLAZE	100	5%	1/10W
							R1418	1-216-093-00	METAL GLAZE	68K	5%	1/10W

A G

Note:

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK		REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1419	1-216-089-91	METAL GLAZE	47K	5%	1/10W	C605 Δ	1-136-346-21	FILM	0.22MF	20% 125V (KV-27V22)
R1420	1-216-089-91	METAL GLAZE	47K	5%	1/10W	C606 Δ	1-117-604-11	ELECT	580MF	20% 250V
R1421	1-216-025-91	METAL GLAZE	100	5%	1/10W	C607 Δ	1-117-604-11	ELECT	560MF	20% 250V
R1424	1-247-807-31	CARBON	100	5%	1/4W	C608	1-164-625-11	CERAMIC	680PF	10% 500V (KV-27V22/29V22T/29V76T/37V36T)
R1425	1-247-807-31	CARBON	100	5%	1/4W	C608	1-164-645-11	CERAMIC	1000PF	10% 500V (KV-29V36K/34V36K)
SWITCH										
S501	1-572-707-11	SWITCH, LEVER				C609	1-136-173-00	FILM	0.47MF	5% 50V
TRANSFORMER										
T501	1-437-210-11	TRANSFORMER, HORIZONTAL DRIVE				C610	1-136-173-00	FILM	0.47MF	5% 50V
T502 Δ	1-429-408-11	TRANSFORMER, FERRITE (PMT) (KV-37V36T)				C611	1-136-169-00	FILM	0.22MF	5% 50V
T502 Δ	1-424-645-11	TRANSFORMER, FERRITE (PMT) (KV-37V36T)				C612	1-136-169-00	FILM	0.22MF	5% 50V
T503 Δ	1-420-520-11	FET ASSY, NX-2000 (KV-37V36T)				C613	1-164-645-11	CERAMIC	1000PF	10% 500V
T503 Δ	1-508-969-00	FET ASSY, NX-2000 (EXCEPT KV-37V36T)				C614	1-164-645-11	CERAMIC	1000PF	10% 500V
T504	1-413-059-00	TRANSFORMER, FERRITE (DFT) (KV-37V36T)				C615	1-136-759-11	FILM	0.039MF	5% 630V
TUNER										
TU102 Δ	8-508-340-00	TUNER, F88 BTF-WA104 (KV-27V22)				C617 Δ	1-113-603-11	CERAMIC	0.001MF	20% 250V (EXCEPT KV-27V22)
TU102 Δ	8-508-420-00	TUNER, F88 BTF-WL401 (KV-29V22T/29V76T/37V36T)				C617 Δ	1-113-615-11	CERAMIC	0.001MF	20% 250V (KV-27V22)
TU102 Δ	8-508-435-00	TUNER, F88 BTF-WL404 (KV-29V22T/29V76T/37V36T)				C641	1-126-943-11	ELECT	2200MF	20% 25V
CRYSTAL										
X001	1-578-774-11	VIBRATOR, CRYSTAL				C642	1-126-767-11	ELECT	1000MF	20% 16V
X353	1-567-505-11	OSCILLATOR, CRYSTAL				C643	1-107-641-11	ELECT	220MF	20% 160V
X354	1-577-611-11	OSCILALTOR, CERAMIC				C646	1-126-933-11	ELECT	100MF	20% 16V
G										
* A-1316-306-A	G BOARD, COMPLETE (KV-29V36K/34V36K)					C647	1-128-551-11	ELECT	22MF	20% 25V
* A-1316-352-A	G BOARD, COMPLETE (KV-29V22T/29V76T)					C648	1-126-933-11	ELECT	100MF	20% 16V
* A-1316-261-A	G BOARD, COMPLETE (KV-27V22)					C651	1-137-366-11	FILM	0.0022MF	5% 50V
* A-1316-353-A	G BOARD, COMPLETE (KV-37V36T)					C652	1-106-351-00	MYLAR	0.0022MF	200V
4-382-854-11 SCREW (M3X10), P, SW (+)										
CAPACITOR										
C601	1-130-711-00	FILM	.22MF	20%	250V (KV-37V36T)	C653	1-107-636-11	ELECT	10MF	20% 160V
C602	1-126-963-11	ELECT	4.7MF	20%	50V (KV-29V36KS/34V36K)	C654	1-164-625-11	CERAMIC	680PF	10% 500V
C603 Δ	1-113-603-11	CERAMIC	0.001MF	20%	250V (KV-29V22T/29V76T/29V36K/34V36K/37V36T)	C655	1-164-625-11	CERAMIC	680PF	10% 500V
C603 Δ	1-113-615-11	CERAMIC	0.001MF	20%	250V (KV-27V22)	C656	1-164-625-11	CERAMIC	680PF	10% 500V
C604 Δ	1-136-346-21	FILM	0.22MF	20%	125V (KV-27V22/29V22T/29V76T/37V36T)	C657	1-164-625-11	CERAMIC	680PF	10% 500V
C604 Δ	1-136-346-21	FILM	0.22MF	20%	300V (KV-29V36K/34V36K)	C661	1-126-963-11	ELECT	4.7MF	20% 50V (EXCEPT KV-29V36K/34V36K)
C605 Δ	1-136-311-11	FILM	0.47MF	20%	125V (EXCEPT KV-27V22)	C690	1-164-645-11	CERAMIC	1000PF	10% 500V
CONNECTOR										
CN601 *	1-508-765-00	PIN, CONNECTOR (5MM PITCH), 3P				C691	1-164-645-11	CERAMIC	1000PF	10% 500V
CN601 *	1-573-963-11	PIN, CONNECTOR, 3P (KV-37V36T)								
CN602 *	1-580-844-11	PIN, CONNECTOR (POWER)								
CN603 *	1-573-963-11	PIN, CONNECTOR, 3P (KV-37V36T)								
CN641 *	1-564-515-11	PLUG, CONNECTOR 12P								
DIODE										
D601	8-719-911-19	DIODE 1SS119-25				D602	8-719-510-53	DIODE D4SB60L		
D602	8-719-911-19	DIODE 1SS119-25				D603	8-719-911-19	DIODE 1SS119-25		
D603	8-719-911-19	DIODE 1SS119-25				D604	8-719-911-19	DIODE 1SS119-25		
D604	8-719-911-19	DIODE 1SS119-25				D605	8-719-911-19	DIODE 1SS119-25		

Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numero spécifie.

G

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D606	8-719-911-19	DIODE 1SS119-25		Q644	8-729-119-78	TRANSISTOR 2SC2785-HFE	
D607	8-719-911-19	DIODE 1SS119-25		Q645	8-729-119-76	TRANSISTOR 2SA1175-HFE	
D608	8-719-911-19	DIODE 1SS119-25		Q646	8-729-119-78	TRANSISTOR 2SC2785-HFE (EXCEPT 29V36K/34V36K)	
D609	8-719-911-19	DIODE 1SS119-25					
D610	8-719-911-19	DIODE 1SS119-25					
D615	8-719-028-45	DIODE D2L20U		R603 Δ	1-247-289-00	CARBON	8.2M 5% 1W (KV-29V36K/34V36K)
D641	8-719-052-40	DIODE RBA-1004B		R603 Δ	1-219-778-11	CARBON	2.2M 10% 1/2W (EXCEPT KV-29V36K/34V36K)
D643	8-719-028-45	DIODE D2L20U		R605	1-247-893-11	CARBON	390K 5% 1/4W
D644	8-719-028-45	DIODE D2L20U		R606	1-247-893-11	CARBON	390K 5% 1/4W
D645	8-719-028-45	DIODE D2L20U		R607 Δ	1-202-933-61	FUSIBLE	0.1 10% 1/2W F
D646	8-719-510-12	DIODE D10SC4M		R608 Δ	1-216-369-00	METAL OXIDE	1 5% 2W F (KV-29V36K/34V36K)
D648	8-719-057-52	DIODE EZ0150AV1		R608 Δ	1-216-372-11	METAL OXIDE	1.5 5% 2W F (EXCEPT KV-29V36K/34V36K)
D649	8-719-510-02	DIODE D1NS4		R609	1-247-791-91	CARBON	22 5% 1/4W
D650	8-719-510-02	DIODE D1NS4		R610	1-247-791-91	CARBON	22 5% 1/4W
				R611 Δ	1-216-369-00	METAL OXIDE	1 5% 2W F (KV-29V36K/34V36K)
				R611 Δ	1-216-372-11	METAL OXIDE	1.5 5% 2W F (EXCEPT KV-29V36K/34V36K)
F601 Δ	1-578-193-11	FUSE 6.3A/125V (KV-27V22/29V22T/37V36T)		R612	1-247-887-00	CARBON	220K 5% 1/4W
F601 Δ	1-532-506-51	FUSE 6.3A/250V (KV-29V36K/34V36K)		R613	1-247-887-00	CARBON	220K 5% 1/4W
	1-533-223-11	HOLDER, FUSE (for F601)		R614	1-247-887-00	CARBON	220K 5% 1/4W
				R615	1-247-887-00	CARBON	220K 5% 1/4W
				R616	1-247-791-91	CARBON	22 5% 1/4W
FB601	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R617	1-247-791-91	CARBON	22 5% 1/4W
FB602	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R622 Δ	1-212-958-00	FUSIBLE	10 5% 1/2W F
FB641	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R623 Δ	1-243-032-11	WIREWOUND	3.9 5% 20W (KV-29V36K/34V36K)
FB642	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R623 Δ	1-205-943-11	WIREWOUND	1 5% 20W (EXCEPT KV-29V36K/34V36K)
FB643	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R641	1-247-843-11	CARBON	3.3K 5% 1/4W
FB644	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R642	1-247-843-11	CARBON	3.3K 5% 1/4W
FB645	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R643	1-249-387-11	CARBON	3.3 5% 1/4W F
FB646	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R644 Δ	1-215-882-00	METAL OXIDE	22 5% 2W F
FB647	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R645 Δ	1-260-304-51	CARBON	10 5% 1/2W (KV-29V36K/34V36K)
FB648	1-410-397-21	FERRITE BEAD INDUCTOR 1.1UH		R647	1-249-417-11	CARBON	1K 5% 1/4W
				R648	1-247-887-00	CARBON	220K 5% 1/4W
L642	1-412-529-11	INDUCTOR 22UH		R649	1-249-425-11	CARBON	4.7K 5% 1/4W F
L643	1-412-525-31	INDUCTOR 10UH		R652	1-249-421-11	CARBON	2.2K 5% 1/4W
				R659	1-249-429-11	CARBON	10K 5% 1/4W
				R661	1-249-413-11	CARBON	470 5% 1/4W F (KV-29V36K/34V36K)
				R662	1-249-429-11	CARBON	10K 5% 1/4W
				R663 Δ	1-249-377-11	CARBON	0.47 5% 1/4W F
				R664 Δ	1-249-377-11	CARBON	0.47 5% 1/4W F
				R665 Δ	1-249-377-11	CARBON	0.47 5% 1/4W F
Q601 Δ	8-729-019-49	TRANSISTOR 2SC4834MNP (KV-27V22/29V22T/29V76T/37V36T)					
Q601 Δ	8-729-019-50	TRANSISTOR 2SC4834NP (KV-29V36K/34V36K)					
Q602 Δ	8-729-019-49	TRANSISTOR 2SC4834MNP (KV-27V22/29V22T/29V76T/37V36T)					
Q602 Δ	8-729-019-50	TRANSISTOR 2SC4834NP (KV-29V36K/34V36K)					

G C

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK
R674	1-249-377-11	CARBON	0.47 5% 1/4W F
R674	1-249-377-11	CARBON	0.47 5% 1/4W F
R674	1-249-377-11	CARBON	0.47 5% 1/4W F
R674	1-249-377-11	CARBON	0.47 5% 1/4W F
R674	1-249-377-11	CARBON	0.47 5% 1/4W F
R678	1-247-863-91	CARBON	0.47 5% 1/4W (EXCEPT KV-29V36K/34V36K)
R678	1-247-863-91	CARBON	22K 5% 1/4W (EXCEPT KV-29V36K/34V36K)
R680	1-249-429-11	CARBON	10K 5% 1/4W (EXCEPT KV-29V36K/34V36K)
R681	1-249-407-11	CARBON	150 5% 1/4W (EXCEPT KV-29V36K/34V36K)

RELAY

RY601A 1-755-010-11 RELAY

TRANSFORMER

T601 1-426-717-11 TRANSFORMER, LINE FILTER (LFT)
 T602 1-426-717-11 TRANSFORMER, LINE FILTER (LFT) (EXCEPT KV-27V22)
 T602 1-424-220-11 TRANSFORMER, LINE FILTER (KV-27V22)
 T603 1-427-864-11 TRANSFORMER, CONVERTER (PRT)
 T604 1-429-415-11 TRANSFORMER, CONVERTER (PMT)

THERMISTOR

TH601A 1-809-822-11 THERMISTOR, POSITIVE (KV-29V36K/34V36K)
 TH601B 1-809-823-11 THERMISTOR, POSITIVE (EXCEPT KV-29V36K/34V36K)

VARISTOR

VDR601 1-810-974-21 VARISTOR

REF.NO.	PART NO.	DESCRIPTION	REMARK
	C		

* A-1331-549-A C BOARD, MOUNTED (EXCEPT KV-37V36T)
 * A-1331-522-A C BOARD, MOUNTED (KV-37V36T)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C1765 1-102-116-00 CERAMIC 680PF 10% 50V
 C1766 1-102-117-00 CERAMIC 820PF 10% 50V
 C1767 1-102-116-00 CERAMIC 680PF 10% 50V
 C1775 1-102-116-00 CERAMIC 680PF 10% 50V
 C1776 1-102-117-00 CERAMIC 820PF 10% 50V

C1777 1-102-116-00 CERAMIC 680PF 10% 50V
 C1785 1-102-116-00 CERAMIC 680PF 10% 50V
 C1786 1-102-117-00 CERAMIC 820PF 10% 50V
 C1787 1-102-116-00 CERAMIC 680PF 10% 50V
 C1790 1-102-129-00 CERAMIC 0.01MF 10% 50V

C1791 1-126-933-11 ELECT 100MF 20% 16V
 C1793 1-107-651-11 ELECT 4.7MF 20% 250V
 C1795 1-102-074-00 CERAMIC 0.001MF 10% 50V
 C1797 1-106-375-12 MYLAR 0.022MF 200V
 C1798 1-106-375-12 MYLAR 0.022MF 200V
 C1799 1-162-114-00 CERAMIC 0.0047MF 2KV

CONNECTOR

CN1761* 1-564-509-11 PLUG, CONNECTOR 6P
 CN1762* 1-508-784-00 PIN, CONNECTOR (5MM PITCH) 1P (KV-37V36T)
 CN1764* 1-564-507-11 PLUG, CONNECTOR 4P
 CN1765 1-695-915-11 TAB (CONTACT) (EXCEPT KV-37V36T)
 CN1766 1-695-915-11 TAB (CONTACT)

DIODE

D1761 8-719-991-33 DIODE 1SS133T-77
 D1762 8-719-991-33 DIODE 1SS133T-77
 D1763 8-719-991-33 DIODE 1SS133T-77
 D1771 8-719-991-33 DIODE 1SS133T-77
 D1772 8-719-991-33 DIODE 1SS133T-77
 D1773 8-719-991-33 DIODE 1SS133T-77
 D1781 8-719-991-33 DIODE 1SS133T-77
 D1782 8-719-991-33 DIODE 1SS133T-77
 D1783 8-719-991-33 DIODE 1SS133T-77
 D1790 8-719-991-33 DIODE 1SS133T-77
 D1792 8-719-983-14 DIODE MTZJ-T-77-3.9

JACK

J1761A 1-291-028-11 SOCKET, DUTY (EXCEPT KV-37V36T)
 J1761A 1-291-028-11 SOCKET, SH (KV-37V36T)

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

C **WA**

REF.NO.	PART NO.	DESCRIPTION	REMARK
---------	----------	-------------	--------

COIL

L1790	1-410-667-31	INDUCTOR	22UH
-------	--------------	----------	------

TRANSISTOR

Q1761	8-729-119-78	TRANSISTOR 2SC2785-HFE
-------	--------------	------------------------

Q1762	8-729-326-11	TRANSISTOR 2SC2611
-------	--------------	--------------------

Q1763	8-729-200-17	TRANSISTOR 2SA1091-0
-------	--------------	----------------------

Q1771	8-729-119-78	TRANSISTOR 2SC2785-HFE
-------	--------------	------------------------

Q1772	8-729-326-11	TRANSISTOR 2SC2611
-------	--------------	--------------------

Q1773	8-729-200-17	TRANSISTOR 2SA1091-0
-------	--------------	----------------------

Q1781	8-729-119-78	TRANSISTOR 2SC2785-HFE
-------	--------------	------------------------

Q1782	8-729-326-11	TRANSISTOR 2SC2611
-------	--------------	--------------------

Q1783	8-729-200-17	TRANSISTOR 2SA1091-0
-------	--------------	----------------------

Q1790	8-729-119-76	TRANSISTOR 2SA1175-HFE
-------	--------------	------------------------

RESISTOR

R1760	1-260-105-11	CARBON	3.3K	5%	1/2W
-------	--------------	--------	------	----	------

R1761	1-247-807-31	CARBON	100	5%	1/4W
-------	--------------	--------	-----	----	------

R1763	1-249-409-11	CARBON	220	5%	1/4W F
-------	--------------	--------	-----	----	--------

R1764 Δ	1-216-486-00	METAL OXIDE	8.2K	5%	3W F
----------------	--------------	-------------	------	----	------

R1765	1-249-411-11	CARBON	330	5%	1/4W
-------	--------------	--------	-----	----	------

R1766	1-249-393-11	CARBON	10	5%	1/4W
-------	--------------	--------	----	----	------

R1767	1-249-429-11	CARBON	10K	5%	1/4W
-------	--------------	--------	-----	----	------

R1768	1-249-411-11	CARBON	330	5%	1/4W
-------	--------------	--------	-----	----	------

R1770	1-260-105-11	CARBON	3.3K	5%	1/2W
-------	--------------	--------	------	----	------

R1771	1-247-807-31	CARBON	100	5%	1/4W
-------	--------------	--------	-----	----	------

R1773	1-249-409-11	CARBON	220	5%	1/4W F
-------	--------------	--------	-----	----	--------

R1774 Δ	1-216-486-00	METAL OXIDE	8.2K	5%	3W F
----------------	--------------	-------------	------	----	------

R1775	1-249-407-11	CARBON	150	5%	1/4W
-------	--------------	--------	-----	----	------

R1776	1-249-393-11	CARBON	10	5%	1/4W
-------	--------------	--------	----	----	------

R1777	1-249-429-11	CARBON	10K	5%	1/4W
-------	--------------	--------	-----	----	------

R1780	1-260-105-11	CARBON	3.3K	5%	1/2W
-------	--------------	--------	------	----	------

R1781	1-247-807-31	CARBON	100	5%	1/4W
-------	--------------	--------	-----	----	------

R1783	1-249-409-11	CARBON	220	5%	1/4W F
-------	--------------	--------	-----	----	--------

R1784 Δ	1-216-486-00	METAL OXIDE	8.2K	5%	3W F
----------------	--------------	-------------	------	----	------

R1785	1-249-407-11	CARBON	150	5%	1/4W
-------	--------------	--------	-----	----	------

R1786	1-249-393-11	CARBON	10	5%	1/4W
-------	--------------	--------	----	----	------

R1787	1-249-429-11	CARBON	10K	5%	1/4W
-------	--------------	--------	-----	----	------

R1789	1-249-437-11	CARBON	47K	5%	1/4W
-------	--------------	--------	-----	----	------

R1792	1-247-815-91	CARBON	220	5%	1/4W
-------	--------------	--------	-----	----	------

R1793	1-247-863-91	CARBON	22K	5%	1/4W
-------	--------------	--------	-----	----	------

R1794	1-249-417-11	CARBON	1K	5%	1/4W
-------	--------------	--------	----	----	------

R1795	1-260-087-11	CARBON	100	5%	1/2W
-------	--------------	--------	-----	----	------

R1796 Δ	1-216-386-00	METAL OXIDE	47	5%	2W F
----------------	--------------	-------------	----	----	------

R1796 Δ	1-216-374-00	METAL OXIDE	27	5%	2W F
----------------	--------------	-------------	----	----	------

R1797	1-260-123-11	CARBON	100K	5%	1/2W
-------	--------------	--------	------	----	------

REF.NO.	PART NO.	DESCRIPTION	REMARK
---------	----------	-------------	--------

R1798	1-260-133-11	CARBON	680K	5%	1/2W
-------	--------------	--------	------	----	------

(KV-37V36T)

R1799	1-260-123-11	CARBON	100K	5%	1/2W
-------	--------------	--------	------	----	------

(KV-37V36T)

RV1791	1-230-641-11	RES, ADJ, METAL GLAZE	2.2M		
--------	--------------	-----------------------	------	--	--

(KV-37V36T)

WA

* A-1372-211-A WA BOARD, MOUNTED (KV-37V36T)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C941	1-126-935-11	ELECT	470MF	20%	16V
------	--------------	-------	-------	-----	-----

C944	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
------	--------------	--------------	--------	-----	-----

C945	1-163-001-11	CERAMIC CHIP	220PF	10%	50V
------	--------------	--------------	-------	-----	-----

C946	1-126-933-11	ELECT	100MF	20%	16V
------	--------------	-------	-------	-----	-----

C949	1-161-830-00	CERAMIC	0.0047MF		500V
------	--------------	---------	----------	--	------

C950	1-126-933-11	ELECT	100MF	20%	16V
------	--------------	-------	-------	-----	-----

C951	1-107-638-11	ELECT	33MF	20%	160V
------	--------------	-------	------	-----	------

C952	1-104-999-11	MYLAR	0.1MF	10%	200V
------	--------------	-------	-------	-----	------

C953	1-106-383-00	MYLAR	0.047MF	10%	200V
------	--------------	-------	---------	-----	------

C954	1-137-364-11	FILM	0.001MF	5%	50V
------	--------------	------	---------	----	-----

C955	1-107-667-11	ELECT	2.2MF	20%	160V
------	--------------	-------	-------	-----	------

C956	1-137-364-11	FILM	0.001MF	5%	50V
------	--------------	------	---------	----	-----

C957	1-106-383-00	MYLAR	0.047MF	10%	200V
------	--------------	-------	---------	-----	------

C958	1-126-933-11	ELECT	100MF	20%	16V
------	--------------	-------	-------	-----	-----

C961	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
------	--------------	--------------	-------	----	-----

C962	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
------	--------------	--------------	--------	-----	-----

C965	1-163-035-00	CERAMIC CHIP	0.047MF		50V
------	--------------	--------------	---------	--	-----

C966	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
------	--------------	--------------	---------	-----	-----

C967	1-129-718-00	FILM	0.022MF	5%	630V
------	--------------	------	---------	----	------

C968	1-137-579-11	FILM	0.068MF	5%	100V
------	--------------	------	---------	----	------

C969	1-163-035-00	CERAMIC CHIP	0.047MF		50V
------	--------------	--------------	---------	--	-----

C981	1-126-941-11	ELECT	470MF	20%	25V
------	--------------	-------	-------	-----	-----

C983	1-137-366-11	FILM	0.0022MF	5%	50V
------	--------------	------	----------	----	-----

CONNECTOR

CN941	1-564-511-11	PLUG, CONNECTOR 8P
-------	--------------	--------------------

CN961	1-770-723-11	CONNECTOR, BOARD TO BOARD 8P
-------	--------------	------------------------------

CN981	1-564-506-11	PLUG, CONNECTOR 3P
-------	--------------	--------------------

DIODE

D941	8-719-991-33	DIODE 1SS133T-77
------	--------------	------------------

D946	8-719-110-88	DIODE RD39ESB2
------	--------------	----------------

D947	8-719-110-88	DIODE RD39ESB2
------	--------------	----------------

D961	8-719-109-89	DIODE RD5.6ESB2
------	--------------	-----------------

D962	8-719-991-33	DIODE 1SS133T-77WB
------	--------------	--------------------

D964	8-719-302-43	DIODE EL1Z
------	--------------	------------

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
<u>IC</u>							
IC961	8-759-700-07	IC NJM2903M		R975	1-216-446-00	METAL OXIDE	18
IC981	8-759-603-37	IC M5216P		R976	1-216-423-11	METAL OXIDE	27
<u>COIL</u>							
L942	1-215-863-11	METAL OXIDE	100	R979	1-216-017-91	METAL GLAZE	47
L962	1-406-989-21	COIL, CHOKE 10MMH		R981	1-216-081-00	METAL GLAZE	22K
L963	1-406-675-11	COIL, CHOKE 4.7MMH		R982	1-216-081-00	METAL GLAZE	22K
<u>TRANSISTOR</u>							
Q943	8-729-422-27	TRANSISTOR 2SD601A-Q		R983	1-216-081-00	METAL GLAZE	22K
Q944	8-729-422-27	TRANSISTOR 2SD601A-Q		R984	1-216-081-00	METAL GLAZE	22K
Q945	8-729-422-27	TRANSISTOR 2SD601A-Q		R987	1-216-049-91	METAL GLAZE	1K
Q946	8-729-017-05	TRANSISTOR 2SA1837		R988	1-216-295-91	CONDUCTOR, CHIP	(2012)
Q947	8-729-017-06	TRANSISTOR 2SC4793		R989	1-216-304-11	METAL GLAZE	3.3
Q962	8-729-931-45	TRANSISTOR IRF614		R992	1-216-073-00	METAL GLAZE	10K
Q963	8-729-216-22	TRANSISTOR 2SA1162-G		R1941	1-260-311-11	CARBON	39
Q965	8-729-422-27	TRANSISTOR 2SD601A-Q		R1942	1-249-384-11	CARBON	1.8
Q966	8-729-216-22	TRANSISTOR 2SA1162-G		R1943	1-249-414-11	CARBON	560
Q981	8-729-422-27	TRANSISTOR 2SD601A-Q		R1944	1-249-432-11	CARBON	18K
<u>RESISTOR</u>							
R943	1-216-025-91	METAL GLAZE	100	R1945	1-216-476-11	METAL OXIDE	180
R948	1-216-049-91	METAL GLAZE	1K	R1946	1-249-417-11	CARBON	1K
R949	1-216-049-91	METAL GLAZE	1K	R1947	1-249-432-11	CARBON	18K
R950	1-216-049-91	METAL GLAZE	1K	R1948	1-249-414-11	CARBON	560
R951	1-216-049-91	METAL GLAZE	1K	R1949	1-249-384-11	CARBON	1.8
R952	1-216-037-00	METAL GLAZE	330	R1950	1-249-400-11	CARBON	39
R953	1-216-021-00	METAL GLAZE	68				
R954	1-216-033-00	METAL GLAZE	220				
R955	1-216-047-91	METAL GLAZE	820				
R956	1-216-295-91	CONDUCTOR, CHIP	(2012)				
R957	1-216-073-00	METAL GLAZE	10K				
R958	1-216-295-91	CONDUCTOR, CHIP	(2012)				
R959	1-216-021-00	METAL GLAZE	68				
R960	1-216-689-11	METAL GLAZE	39K				
R961	1-216-073-00	METAL GLAZE	10K				
R962	1-216-057-00	METAL GLAZE	2.2K				
R963	1-216-097-91	METAL GLAZE	100K				
R964	1-216-073-00	METAL GLAZE	10K				
R965	1-216-073-00	METAL GLAZE	10K				
R966	1-216-097-91	METAL GLAZE	100K				
R967	1-216-065-00	METAL GLAZE	4.7K				
R968	1-216-083-00	METAL GLAZE	27K				
R969	1-216-295-91	CONDUCTOR, CHIP	(2012)				
R970	1-216-033-00	METAL GLAZE	220				
R971	1-247-899-11	CARBON	680K				
R972	1-216-073-00	METAL GLAZE	10K				
R973	1-216-121-91	METAL GLAZE	1M				
R974	1-216-073-00	METAL GLAZE	10K				

* A-1372-225-A WB BOARD, MOUNTED

(KV-29V76T/29V36K/34V36K)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C2941	1-126-935-11	ELECT	470MF	20%	16V
C2944	1-164-232-11	CERAMIC CHIP	0.01MF	10%	50V
C2946	1-126-933-11	ELECT	100MF	20%	16V
C2949	1-161-830-00	CERAMIC	0.0047MF		500V
C2950	1-126-933-11	ELECT	100MF	20%	16V
C2951	1-107-638-11	ELECT	33MF	20%	160V
C2952	1-104-999-11	MYLAR	0.1MF	10%	200V
C2953	1-106-383-00	MYLAR	0.047MF	10%	200V
C2954	1-137-364-11	FILM	0.001MF	5%	50V
C2955	1-107-667-11	ELECT	2.2MF	20%	160V
C2956	1-137-364-11	FILM	0.001MF	5%	50V
C2957	1-106-383-00	MYLAR	0.047MF	10%	200V
C2958	1-126-933-11	ELECT	100MF	20%	16V
C2975	1-163-001-11	CERAMIC CHIP	220PF	10%	50V

CONNECTOR

CN2941* 1-564-508-11 PLUG, CONNECTOR 5P

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

WB HS HV

REF.NO.	PART NO.	DESCRIPTION	REMARK		
DIODE					
D2941	8-719-991-33	DIODE 1SS133T-77			
D2946	8-719-110-88	DIODE RD39ESB2			
D2947	8-719-110-88	DIODE RD39ESB2			
COIL					
L2942	1-215-863-11	METAL OXIDE	100	5%	1W F
TRANSISTOR					
Q2943	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q2944	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q2945	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q2946	8-729-017-05	TRANSISTOR 2SA1837			
Q2947	8-729-017-06	TRANSISTOR 2SC4793			
Q2965	8-729-422-27	TRANSISTOR 2SD601A-Q			
Q2966	8-729-216-22	TRANSISTOR 2SA1162-G			
RESISTOR					
R2943	1-216-025-91	METAL GLAZE	100	5%	1/10W
R2948	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2949	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2950	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2951	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R2952	1-216-037-00	METAL GLAZE	330	5%	1/10W
R2953	1-216-021-00	METAL GLAZE	68	5%	1/10W
R2954	1-216-033-00	METAL GLAZE	220	5%	1/10W
R2955	1-216-047-91	METAL GLAZE	820	5%	1/10W
R2956	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R2957	1-216-073-00	METAL GLAZE	10K	5%	1/10W
R2958	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R2959	1-216-021-00	METAL GLAZE	68	5%	1/10W
R2979	1-216-017-91	METAL GLAZE	47	5%	1/10W
R4941	1-260-311-11	CARBON	39	5%	1/2W
R4942	1-249-384-11	CARBON	1.8	5%	1/4W F
R4943	1-249-414-11	CARBON	560	5%	1/4W F
R4944	1-249-432-11	CARBON	18K	5%	1/4W
R4945	1-216-476-11	METAL OXIDE	180	5%	3W F
R4946	1-249-417-11	CARBON	1K	5%	1/4W F
R4947	1-249-432-11	CARBON	18K	5%	1/4W
R4948	1-249-414-11	CARBON	560	5%	1/4W
R4949	1-249-384-11	CARBON	1.8	5%	1/4W F
R4950	1-249-400-11	CARBON	39	5%	1/4W F

REF.NO.	PART NO.	DESCRIPTION	REMARK		
HS					
*	A-1372-326-A	HS BOARD, MOUNTED (KV-34V36K/37V36T)			
CAPACITOR					
C2168	1-104-665-11	ELECT		100MF	20% 25V
C2169	1-126-959-11	ELECT		0.47MF	20% 50V
CONNECTOR					
CN2101	1-564-524-11	PLUG, CONNECTOR 9P			
CN2102	1-564-523-11	PLUG, CONNECTOR 8P			
HV					
*	A-1372-337-A	HV BOARD, MOUNTED (KV-27V22/29V22T)			
*	A-1372-346-A	HV BOARD, MOUNTED (KV-29V36K/29V76T)			
*	A-1372-330-A	HV BOARD, MOUNTED (KV-34V36K/37V36T)			
CAPACITOR					
C2068	1-104-665-11	ELECT		100MF	20% 25V
C2070	1-165-319-11	CERAMIC CHIP		0.1MF	50V
C2071	1-126-959-11	ELECT		0.47MF	20% 50V
					(KV-29V36K/29V76T)
C2231	1-163-031-11	CERAMIC CHIP		0.01MF	50V
					(KV-37V36T/34V36K)
C2232	1-136-161-00	FILM		0.047MF	5% 50V
					(KV-37V36T/34V36K)
C2233	1-136-161-00	FILM		0.047MF	5% 50V
C2234	1-126-960-11	ELECT		1MF	20% 50V
C2235	1-126-960-11	ELECT		1MF	20% 50V
C2236	1-126-933-11	ELECT		100MF	20% 16V
CONNECTOR					
CN2001	1-564-524-11	PLUG, CONNECTOR 9P			
					(KV-27V22/29V22T/29V36K/29V76T)
CN2002*	1-564-518-11	PLUG, CONNECTOR 3P			
					(KV-29V36K/29V76T/37V36T/34V36K)
CN2231	1-564-523-11	PLUG, CONNECTOR 8P			
					(KV-27V22/29V22T/29V36K/29V76T)
DIODE					
D2006	1-810-039-11	LED UNIT			
D2231	8-719-110-17	DIODE RD10ESB2			(KV-34V36K/37V36T)
D2232	8-719-110-17	DIODE RD10ESB2			(KV-34V36K/37V36T)
D2233	8-719-110-17	DIODE RD10ESB2			(KV-34V36K/37V36T)
D2236	8-719-110-17	DIODE RD10ESB2			
IC					
IC2003	8-742-014-11	HYB IC SBX1981-51			
IC2004	8-749-012-12	IC IS474			



Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

NO.	PART NO.	DESCRIPTION	REMARK
-----	----------	-------------	--------

JACK

J2231 1-691-110-11 JACK, PIN 3P
 J2232 1-694-063-11 TERMINAL, S (KV-34V36K/37V36T)

TRANSISTOR

Q2008 8-729-216-22 TRANSISTOR 2SA1162-G
 Q2009 8-729-422-27 TRANSISTOR 2SD601A-Q

RESISTOR

R2009	1-216-033-00 METAL GLAZE	220	5%	1/10W
R2010	1-216-033-00 METAL GLAZE	220	5%	1/10W
R2011	1-216-025-91 METAL GLAZE	100	5%	1/10W
R2012	1-216-089-91 METAL GLAZE	47K	5%	1/10W
R2013	1-216-105-91 METAL GLAZE	220K	5%	1/10W
R2014	1-216-033-00 METAL GLAZE	220	5%	1/10W
R2015	1-247-807-31 CARBON	100	5%	1/4W
R2016	1-216-133-00 METAL GLAZE	3.3M	5%	1/10W
R2059	1-216-047-91 METAL GLAZE	820	5%	1/10W
R2060	1-216-049-91 METAL GLAZE	1K	5%	1/10W
				(KV-27V22/29V22T)
R2061	1-216-055-00 METAL GLAZE	1.8K	5%	1/10W
R2062	1-216-065-00 METAL GLAZE	4.7K	5%	1/10W
R2063	1-216-073-00 METAL GLAZE	10K	5%	1/10W
R2231	1-216-022-00 METAL GLAZE	75	5%	1/10W
R2232	1-216-022-00 METAL GLAZE	75	5%	1/10W
R2233	1-216-065-00 METAL GLAZE	4.7K	5%	1/10W
R2235	1-216-022-00 METAL GLAZE	75	5%	1/10W
R2236	1-216-113-00 METAL GLAZE	470K	5%	1/10W
R2237	1-216-065-00 METAL GLAZE	4.7K	5%	1/10W
R2238	1-216-113-00 METAL GLAZE	470K	5%	1/10W
R2239	1-216-065-00 METAL GLAZE	4.7K	5%	1/10W

SWITCH

S2001	1-692-431-21 SWITCH, TACTILE (KV-27V22/29V22T)
S2002	1-692-431-21 SWITCH, TACTILE (KV-27V22/29V22T)
S2003	1-692-431-21 SWITCH, TACTILE (KV-27V22/29V22T)
S2004	1-692-431-21 SWITCH, TACTILE (KV-27V22/29V22T)
S2005	1-692-431-21 SWITCH, TACTILE (KV-27V22/29V22T)
S2006	1-692-431-21 SWITCH, TACTILE (KV-27V22/29V22T)
S2007	1-692-431-21 SWITCH, TACTILE (KV-27V22/29V22T)

REF.NO.	PART NO.	DESCRIPTION	REMARK
---------	----------	-------------	--------



* A-1380-518-A K BOARD, COMPLETE (KV-29V36K/29V76T/34V36K)

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C1462	1-126-961-11 ELECT	2.2MF	20%	50V
C1463	1-126-961-11 ELECT	2.2MF	20%	50V
C1464	1-126-969-11 ELECT	220MF	20%	50V
C1465	1-104-664-11 ELECT	47MF	20%	25V
C1466	1-126-969-11 ELECT	220MF	20%	50V
C1467	1-126-961-11 ELECT	2.2MF	20%	50V
C1469	1-136-173-00 FILM	0.47MF	5%	50V
C1470	1-136-169-00 FILM	0.22MF	5%	50V
C1471	1-136-169-00 FILM	0.22MF	5%	50V
C1472	1-128-548-11 ELECT	4700MF	20%	25V
C1473	1-126-943-11 ELECT	2200MF	20%	25V
C1474	1-126-943-11 ELECT	2200MF	20%	25V
C1475	1-128-548-11 ELECT	4700MF	20%	25V
C1476	1-124-564-11 ELECT	4700MF	20%	25V

CONNECTOR

CN1461* 1-564-510-11 PLUG, CONNECTOR 7P
 CN1462* 1-564-507-11 PLUG, CONNECTOR 4P

DIODE

D1461 8-719-991-33 DIODE 1SS133T-77

IC

IC1461 8-759-980-43 IC TDA2009A

IC LINK

IC1462 4-382-854-11 LINE C2A/00V

TRANSISTOR

Q1461	8-729-422-27 TRANSISTOR 2SD601A-Q
Q1462	8-729-216-22 TRANSISTOR 2SA1162-G

RESISTOR

R1461	1-216-065-00 METAL GLAZE	4.7K	5%	1/10W
R1462	1-216-089-91 METAL GLAZE	47K	5%	1/10W
R1463	1-249-435-11 CARBON	33K	5%	1/4W
R1464	1-208-775-11 METAL GLAZE	510	0.50%	1/10W
R1465	1-216-011-00 METAL GLAZE	27	5%	1/10W

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SC**UV**

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1467	1-216-011-00	METAL GLAZE	27	5%	1/10W	C165	1-165-319-11	CERAMIC CHIP	0.1MF	50V	
R1468	1-208-775-11	METAL GLAZE	510	0.50%	1/10W	C166	1-165-319-11	CERAMIC CHIP	0.1MF	50V	
R1469	1-216-011-00	METAL GLAZE	27	5%	1/10W	C167	1-126-933-11	ELECT	100MF	20%	16V
R1471	1-216-011-00	METAL GLAZE	27	5%	1/10W	C168	1-126-964-11	ELECT	10MF	20%	50V
R1472	1-249-418-11	CARBON	1.2K	5%	1/4W F	C170	1-163-123-00	CERAMIC CHIP	180PF	5%	50V
R1473	1-249-413-11	CARBON	470	5%	1/4W	C231	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
R1474	1-249-441-11	CARBON	100K	5%	1/4W	C232	1-136-161-00	FILM	0.047MF	5%	50V
R1475	1-249-430-11	CARBON	12K	5%	1/4W	C233	1-136-161-00	FILM	0.047MF	5%	50V
R1476	1-249-430-11	CARBON	12K	5%	1/4W	C234	1-126-960-11	ELECT	1MF	20%	50V
R1477	1-249-385-11	CARBON	2.2	5%	1/4W F	C235	1-126-960-11	ELECT	1MF	20%	50V
R1478	1-249-418-11	CARBON	1.2K	5%	1/4W F	C236	1-136-161-00	FILM	0.047MF	5%	50V
R1479	1-249-385-11	CARBON	2.2	5%	1/4W F	C237	1-126-960-11	ELECT	1MF	20%	50V
R1480	1-249-421-11	CARBON	2.2K	5%	1/4W	C238	1-126-960-11	ELECT	1MF	20%	50V
R1481	1-249-421-11	CARBON	2.2K	5%	1/4W	C241	1-126-941-11	ELECT	470MF	20%	25V
R1482	1-249-421-11	CARBON	2.2K	5%	1/4W	C242	1-126-959-11	ELECT	0.47MF	20%	50V
R1483	1-249-421-11	CARBON	2.2K	5%	1/4W	C244	1-126-959-11	ELECT	0.47MF	20%	50V
<hr/>											
SC —————											
* A-1390-585-A SC BOARD, MOUNTED (KV-29V36K/29V76T/34V36K/37V36T)											
CONNECTOR											
CN104	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P				C245	1-126-941-11	ELECT	470MF	20%	25V
CN105	1-573-978-21	CONNECTOR, BOARD TO BOARD 11P				C246	1-126-959-11	ELECT	0.47MF	20%	50V
<hr/>											
UV —————											
* A-1394-846-A UV BOARD, COMPLETE (KV-34V36K)											
* A-1394-847-A UV BOARD, COMPLETE (KV-37V36T)											
* A-1394-856-A UV BOARD, COMPLETE (KV-27V22/29V22T)											
* A-1394-859-A UV BOARD, COMPLETE (KV-29V36K/29V76T)											
<hr/>											
CAPACITOR											
C151	1-126-960-11	ELECT	1MF	20%	50V	C262	1-104-664-11	ELECT	47MF	20%	25V
C152	1-126-960-11	ELECT	1MF	20%	50V	C263	1-136-161-00	FILM	0.047MF	5%	50V
C153	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V	C264	1-126-941-11	ELECT	470MF	20%	25V
C154	1-164-489-11	CERAMIC CHIP	0.22MF	10%	16V	C265	1-126-933-11	ELECT	100MF	20%	16V
C156	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V	C266	1-104-664-11	ELECT	47MF	20%	25V
C157	1-163-123-00	CERAMIC CHIP	180PF	5%	50V	C267	1-126-960-11	ELECT	1MF	20%	50V
C158	1-163-034-00	CERAMIC CHIP	.0330MF		50V	C270	1-126-960-11	ELECT	1MF	20%	50V
C159	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V	C271	1-126-960-11	ELECT	1MF	20%	50V
C160	1-126-959-11	ELECT	0.47MF	20%	50V	C273	1-136-165-00	FILM	0.1MF	5%	50V
C161	1-126-960-11	ELECT	1MF	20%	50V	C274	1-163-031-11	CERAMIC CHIP	0.01MF	50V	
C162	1-126-960-11	ELECT	1MF	20%	50V	C275	1-104-664-11	ELECT	47MF	20%	25V
C163	1-165-319-11	CERAMIC CHIP	0.1MF		50V	C276	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C164	1-165-319-11	CERAMIC CHIP	0.1MF		50V	C301	1-126-935-11	ELECT	470MF	20%	16V
<hr/>											
* A-1394-846-A UV BOARD, COMPLETE (KV-34V36K/37V36T)											
<hr/>											



Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifique.

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

UV

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK	
Q239	8-729-216-22	TRANSISTOR 2SA1162-G		R186	1-216-089-91	METAL GLAZE	47K 5% 1/10W	
Q240	8-729-216-22	TRANSISTOR 2SA1162-G	(KV-29V76T/29V36K/34V36K)	R187	1-216-099-00	METAL GLAZE	120K 5% 1/10W	
Q241	8-729-216-22	TRANSISTOR 2SA1162-G	(KV-29V76T/29V36K/34V36K)	R188	1-216-097-91	METAL GLAZE	100K 5% 1/10W	
Q242	8-729-216-22	TRANSISTOR 2SA1162-G	(KV-29V76T/29V36K/34V36K)	R189	1-216-097-91	METAL GLAZE	100K 5% 1/10W	
Q243	8-729-216-22	TRANSISTOR 2SA1162-G		R190	1-216-081-00	METAL GLAZE	22K 5% 1/10W	
Q261	8-729-422-27	TRANSISTOR 2SD601A-Q	(EXCEPT KV-27V22/29V22T)	R191	1-216-089-91	METAL GLAZE	47K 5% 1/10W	
Q262	8-729-422-27	TRANSISTOR 2SD601A-Q		R192	1-216-063-91	METAL GLAZE	3.9K 5% 1/10W	
Q263	8-729-216-22	TRANSISTOR 2SA1162-G		R193	1-216-075-00	METAL GLAZE	12K 5% 1/10W	
Q265	8-729-216-22	TRANSISTOR 2SA1162-G		R194	1-216-099-00	METAL GLAZE	120K 5% 1/10W	
RESISTOR								
R151	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R195	1-216-097-91	METAL GLAZE	100K 5% 1/10W	
R152	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R196	1-216-089-91	METAL GLAZE	47K 5% 1/10W	
R153	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R197	1-216-097-91	METAL GLAZE	100K 5% 1/10W	
R154	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R198	1-216-081-00	METAL GLAZE	22K 5% 1/10W	
R155	1-216-075-00	METAL GLAZE	12K 5% 1/10W	R199	1-216-089-91	METAL GLAZE	47K 5% 1/10W	
R156	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R200	1-216-081-00	METAL GLAZE	22K 5% 1/10W	
R157	1-216-079-00	METAL GLAZE	18K 5% 1/10W	R201	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	
R158	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R202	1-216-049-91	METAL GLAZE	1K 5% 1/10W	
R159	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R203	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	
R160	1-216-079-00	METAL GLAZE	18K 5% 1/10W	R204	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	
R161	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R205	1-216-049-91	METAL GLAZE	1K 5% 1/10W	
R162	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R206	(KV-29V76T/29V36K/34V36K)			
R163	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R207	1-216-295-91	CONDUCTOR, CHIP	(2012)	
R164	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R208	1-216-049-91	METAL GLAZE	(KV-29V76T/29V36K/34V36K)	
R165	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R209	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	
R166	1-216-049-91	METAL GLAZE	1K 5% 1/10W	R210	1-216-069-00	METAL GLAZE	(KV-29V76T/29V36K/34V36K)	
R167	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R211	1-249-440-11	CARBON	6.8K 5% 1/10W	
R168	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R212	1-249-440-11	CARBON	82K 5% 1/4W	
R169	1-216-099-00	METAL GLAZE	120K 5% 1/10W	R213	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	
R170	1-216-049-91	METAL GLAZE	1K 5% 1/10W	R214	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	
R171	1-216-049-91	METAL GLAZE	1K 5% 1/10W	R215	1-249-413-11	CARBON	470 5% 1/4W	
R172	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R216	1-216-025-91	METAL GLAZE	100 5% 1/10W	
R173	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R217	1-216-025-91	METAL GLAZE	100 5% 1/10W	
R174	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R218	1-216-025-91	METAL GLAZE	100 5% 1/10W	
R175	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R219	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	
R176	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R220	1-216-065-00	METAL GLAZE	(KV-29V76T/29V36K/34V36K)	
R177	1-216-049-91	METAL GLAZE	1K 5% 1/10W	R221	1-216-025-91	METAL GLAZE	4.7K 5% 1/10W	
R178	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R222	1-216-025-91	METAL GLAZE	(KV-29V76T/29V36K/34V36K)	
R179	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R223	1-216-025-91	METAL GLAZE	100 5% 1/10W	
R180	1-216-099-00	METAL GLAZE	120K 5% 1/10W	R224	1-216-025-91	METAL GLAZE	(KV-29V76T/29V36K/34V36K)	
R181	1-216-049-91	METAL GLAZE	1K 5% 1/10W	R225	1-247-815-91	CARBON	100 5% 1/4W	
R183	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R226	1-247-815-91	CARBON	(KV-29V76T/29V36K/34V36K)	
R184	1-216-081-00	METAL GLAZE	22K 5% 1/10W				220 5% 1/4W	
R185	1-216-081-00	METAL GLAZE	22K 5% 1/10W				220 5% 1/4W	

UV**Note:**

The components identified by shading and mark **Δ** are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque **Δ** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R227	1-249-440-11	CARBON	82K	5%	1/4W	R271	1-249-415-11	CARBON	680	5%	1/4W
R228	1-216-033-00	METAL GLAZE	220	5%	1/10W	R272	1-249-417-11	CARBON	1K	5%	1/4W
R229	1-216-025-91	METAL GLAZE	100	5%	1/10W	R274	1-249-413-11	CARBON	470	5%	1/4W
R230	1-216-033-00	METAL GLAZE	220	5%	1/10W	R275	1-249-425-11	CARBON	4.7K	5%	1/4W
R231	1-216-022-00	METAL GLAZE	75	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
R232	1-216-022-00	METAL GLAZE	75	5%	1/10W	R276	1-249-425-11	CARBON	4.7K	5%	1/4W
R233	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
R234	1-216-022-00	METAL GLAZE	75	5%	1/10W	R277	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R235	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R278	1-249-413-11	CARBON	470	5%	1/4W
R236	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W				(KV-29V36K/29V76T/34V36K)		
R237	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R279	1-216-025-91	METAL GLAZE	100	5%	1/10W
R238	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R280	1-216-033-00	METAL GLAZE	220	5%	1/10W
R239	1-216-022-00	METAL GLAZE	75	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
			(EXCEPT KV-27V22/29V22T)			R281	1-216-033-00	METAL GLAZE	220	5%	1/10W
R240	1-216-113-00	METAL GLAZE	470K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
			(EXCEPT KV-27V22/29V22T)			R282	1-216-025-91	METAL GLAZE	100	5%	1/10W
R241	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
			(EXCEPT KV-27V22/29V22T)			R283	1-216-025-91	METAL GLAZE	100	5%	1/10W
R242	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R284	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
			(EXCEPT KV-27V22/29V22T)			R285	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W
R243	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W	R286	1-216-049-91	METAL GLAZE	1K	5%	1/10W
			(EXCEPT KV-27V22/29V22T)			R288	1-247-815-91	CARBON	220	5%	1/4W
R244	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R289	1-247-815-91	CARBON	220	5%	1/4W
R245	1-249-417-11	CARBON	1K	5%	1/4W	R290	1-247-815-91	CARBON	220	5%	1/4W
R246	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R291	1-216-025-91	METAL GLAZE	100	5%	1/10W
			(EXCEPT KV-27V22/29V22T)						(EXCEPT KV-27V22/29V22T)		
R247	1-249-417-11	CARBON	1K	5%	1/4W	R292	1-216-025-91	METAL GLAZE	100	5%	1/10W
R248	1-216-021-00	METAL GLAZE	68	5%	1/10W				(KV-27V22/29V22T)		
R249	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R293	1-216-025-91	METAL GLAZE	100	5%	1/10W
R250	1-216-113-00	METAL GLAZE	470K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
R251	1-216-113-00	METAL GLAZE	470K	5%	1/10W	R294	1-216-049-91	METAL GLAZE	1K	5%	1/10W
			(EXCEPT KV-27V22/29V22T)			R301	1-249-417-11	CARBON	1K	5%	1/4W
R252	1-216-019-00	METAL GLAZE	56	5%	1/10W	R304	1-249-417-11	CARBON	1K	5%	1/4W
			(KV-29V76T/29V36K/34V36K)			R902	1-249-405-11	CARBON	100	5%	1/4W F
R253	1-216-113-00	METAL GLAZE	470K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
			(KV-29V76T/29V36K/34V36K)			R919	1-216-295-91	CONDUCTOR, CHIP	(2012)		
R254	1-216-113-00	METAL GLAZE	470K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
			(KV-29V76T/29V36K/34V36K)			R920	1-249-405-11	CARBON	100	5%	1/4W F
R255	1-216-113-00	METAL GLAZE	470K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
			(KV-29V76T/29V36K/34V36K)			R921	1-249-405-11	CARBON	100	5%	1/4W F
R256	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
			(KV-29V76T/29V36K/34V36K)			R922	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R258	1-216-069-00	METAL GLAZE	6.8K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
			(KV-29V76T/29V36K/34V36K)			R923	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R259	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
R260	1-247-807-31	CARBON	100	5%	1/4W	R924	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R264	1-247-815-91	CARBON	220	5%	1/4W				(EXCEPT KV-27V22/29V22T)		
R265	1-247-815-91	CARBON	220	5%	1/4W	R925	1-215-433-00	METAL	3.3K	1%	1/4W
R266	1-216-043-91	METAL GLAZE	560	5%	1/10W				(EXCEPT KV-27V22/29V22T)		
			(EXCEPT KV-27V22/29V22T)			R926	1-215-433-00	METAL	3.3K	1%	1/4W
R267	1-249-415-11	CARBON	680	5%	1/4W				(EXCEPT KV-27V22/29V22T)		
			(EXCEPT KV-27V22/29V22T)			R1151	1-216-053-00	METAL GLAZE	1.5K	5%	1/10W
R268	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1152	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R269	1-216-025-91	METAL GLAZE	100	5%	1/10W	R1153	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R270	1-216-041-00	METAL GLAZE	470	5%	1/10W				(EXCEPT KV-27V22/29V22T)		

Note: The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

UV

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1154	1-216-049-91	METAL GLAZE	1K	5%	1/10W		
R1155	1-216-089-91	METAL GLAZE	47K	5%	1/10W		
R1156	1-216-073-00	METAL GLAZE	10K	5%	1/10W		
R1157	1-216-073-00	METAL GLAZE	10K	5%	1/10W		
R1158	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W		
R1159	1-216-065-00	METAL GLAZE	4.7K	5%	1/10W		
R1160	1-216-295-91	CONDUCTOR, CHIP	(2012)				
R1161	1-216-295-91	CONDUCTOR, CHIP	(2012)				
R1164	1-216-049-91	METAL GLAZE	1K	5%	1/10W		
R1165	1-216-049-91	METAL GLAZE	1K	5%	1/10W		
R1166	1-216-049-91	METAL GLAZE	1K	5%	1/10W		
R1167	1-216-049-91	METAL GLAZE	1K	5%	1/10W		
R1168	1-216-049-91	METAL GLAZE	1K	5%	1/10W		
MISCELLANEOUS							
Δ	1-411-474-11	COIL DEMAGNETIC (KV-34V36K)					
Δ	1-411-881-11	COIL, DEMAGNETIC (KV-37V36T)					
Δ	1-411-899-11	COIL DEMAGNETIC (KV-27V22/29V22T/29V76T)					
Δ	1-408-726-81	COIL DEMAGNETIC (KV-29V36K)					
Δ	1-452-509-41	NECK ASSY, CRT (NA-308) (KV-29V36K/29V76T)					
Δ	1-452-579-21	NECK ASSY, CRT (NA-308) (KV-34V36K)					
1-473-549-11		SWITCH BLOCK, CONTROL					
		(KV-29V36K/29V76T/34V36K/37V36T)					
*	1-551-382-31	CABLE, P-P (KV-29V36K/29V76T/37V36T)					
*	1-557-056-31	CABLE, P-P (KV-29V36K/29V76T/34V36K/37V36T)					
*	1-556-945-21	CABLE, P-P (KV-34V36K)					
Δ	1-775-468-21	CORD POWER (WITH CONNECTOR)					
		(KV-29V36K/34V36K)					
Δ	1-751-059-11	CORD POWER (WITH CONNECTOR)					
		(KV-27V22/29V22T/29V76T/37V36T)					
1-766-374-11		PLUG, F-PIN (KV-27V22/29V22T)					
Δ	8-451-275-42	DEFLECTION YOKE					
		(KV-27V22/29V22T/29V76T/29V36K)					
Δ	8-451-462-21	DEFLECTION YOKE (KV-34V36K)					
Δ	8-451-480-11	DEFLECTION YOKE (KV-37V36T)					
*	4-052-905-01	V5/6 BRACKET					
		(KV-29V76T/29V36K/34V36K/37V36T)					
8-598-414-00		SWITCH, ANTENNA AS-2F					
		(KV-29V76T/29V36K/34V36K/37V36T)					
Δ	8-733-745-05	CRT 34FXD2 (M80JYV51) (KV-34V36K)					
Δ	8-733-848-05	CRT 29PXD (SD-268/ECR) A88KZJ50X (KV-27V22/29V22T/29V76T/29V36K)					
Δ	8-733-760-05	CRT (KV-37V36T)					
Δ	1-453-207-11	TRANSFORMER ASSY, FLYBACK (NX-2609//X4C) (EXCEPT KV-37V36T)					
Δ	1-453-126-11	TRANSFORMER ASSY, FLYBACK (NX-3000A3) (KV-37V36T)					
ACCESSORIES AND PACKING MATERIALS							
	3-859-519-23	MANUAL, INSTRUCTION (KV-27V22)					
	3-860-705-61	MANUAL, INSTRUCTION (KV-29V36K/34V36K)					
*	4-041-259-01	BAG, PROTECTION (KV-34V36K)					
*	4-041-255-01	BAG, PROTECTION (KV-27V22/29V22T/29V76T)					
*	4-049-757-11	BAG, PROTECTION (KV-27V22/29V22T/29V76T/29V36K)					
*	4-053-658-01	BAG, PROTECTION (KV-37V36T)					
*	4-049-758-11	BAG, PROTECTION (KV-34V36K)					
*	4-054-067-01	CUSHION (UPPER) (ASSY) (KV-34V36K)					
*	4-053-277-01	CUSHION (UPPER) (ASSY) (KV-37V36T)					
*	4-054-059-01	CUSHION (UPPER) (ASSY) (KV-27V22/29V22T/29V76T/29V36K)					
*	4-054-070-01	CUSHION (LOWER) (ASSY) (KV-34V36K)					
*	4-053-278-01	CUSHION (LOWER) (ASSY) (KV-37V36T)					
*	4-054-062-01	CUSHION (LOWER) (ASSY) (KV-27V22/29V22T/29V76T/29V36K)					
*	4-054-065-01	INDIVIDUAL CARTON (KV-27V22)					
*	4-054-066-01	INDIVIDUAL CARTON (KV-29V22T/29V76T)					
*	4-054-073-01	INDIVIDUAL CARTON (KV-34V36K)					
*	4-054-276-01	INDIVIDUAL CARTON (KV-37V36T)					
*	4-054-407-01	INDIVIDUAL CARTON (KV-29V36K)					
REMOTE COMMANDER							
1-473-748-31		REMOTE COMMANDER (RM-Y135A) (KV-27V22/29V22T)					
1-473-750-41		REMOTE COMMANDER (RM-Y137A) (KV-29V76T/37V36T)					
1-475-069-21		REMOTE COMMANDER (RM-Y149A) (KV-29V36K/34V36K)					
4-978-977-01		LID, BATTERY COVER (for RM-Y135A/Y137A/Y149A)					

9-965-834-01

Sony Corporation
Sony Technology Center
Product Quality Division
Service Promotion Department

English
97HJ74382-1
Printed in U.S.A.
© 1997.8